

# Re Glass objects

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Glass objects from excavations in Sector NGS are represented by 204 beads, five inserts, three gaming counters, a fragment of a cosmetic stick, a fragment of a bracelet and 31 fragments of glass vessels. Small ornaments, beads and pendants are the most common glass objects found. In this chapter, 87 single specimens and two strings consisting of 74 and 43 beads are considered. Practically all of the beads comply with the typology developed by E.M. Alekseeva.<sup>1180</sup> The main criteria for identification of bead types are the colour, decoration and the shape, all visually distinguishable technological features. Regrettably, the poor state of preservation and strong iridescence does not always allow us to define the colour of the glass and the method of manufacture.

Some of the objects do not correspond in date to the chronology of their contexts, and they have been attributed to later periods. The presence of these objects in older contexts may be explained by their small size and streamlined shape which allows them to sink into the lower layers during post-depositional processes.

Ornaments of monochrome glass are the most common: 48 beads and 11 pendants. In terms of their shape, several types can be distinguished. There are three conical beads (**Re-1-Re-3**), eight biconical beads (**Re-4-Re-11**), one faceted bead (**Re-12**), 18 rounded beads (**Re-13-Re-30**), three ivy-leaf-shaped beads (**Re-31-Re-33**), two ribbed beads (**Re-34-Re-35**), five parallelepiped beads (**Re-36-Re-40**), one pyramidal bead (**Re-41**), two tetrahedral beads with curving ribs (**Re-42-Re-43**), one bilobed bead (**Re-44**), one egg-shaped bead (**Re-45**), one spindle-shaped bead (**Re-46**) and one barrel-shaped bead (**Re-47**). Monochrome beads were manufactured throughout the entire Classical period, but the Hellenistic period and the first centuries AD saw their utmost diversity. Practically all of the forms specified above have parallels from sites of the northern Black Sea region of the 5th century BC-4th century AD.<sup>1181</sup>

Among the uncommon ornaments is a bead in the form of a duck made of transparent green glass (**Re-48**). Similar beads found in Chersonesos and Pantikapaion are dated to the 1st-2nd century AD.

Pendants in the form of small stylized vessels of transparent glass of various hues were very popular. These are found at many sites of the Classical period. The group under consideration contains seven such items: four pendants of the 4th-3rd century BC (**Re-49-Re-50**, **Re-52**, **Re-54**), two others are dated to the 2nd-1st century BC (**Re-51-Re-52**) and yet another to the 1st-4th century AD (**Re-53**).

Finds of pendants made of opaque blue glass with a two-sided representation of a male face (**Re-55**) are known from Olbia<sup>1182</sup> and the Elizavetovskoe Settlement,<sup>1183</sup> and are altogether characteristic of the 4th-3rd century BC. Pendants shaped like an animal fang (**Re-58**) and drop-like items (**Re-56**) are dated to the same period. In the 1st-2nd century AD, ornaments with a representation of Harpokrates were popular.<sup>1184</sup> Among the preserved examples of such pendants is a fragment in the form of the lower part of a pair of legs standing on a rectangular pedestal (**Re-57**).

Ornaments of multicoloured glass include beads with eyed, spotted and polychrome designs. Beads decorated with “eye-type” patterns constitute the most numerous and varied group among the polychrome glass ornaments in the northern Black Sea area. In Sector NGS, six round beads of different colours have been uncovered. Four examples are dated to the

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<sup>1180</sup> Alekseeva 1975, 12-22. This study has retained its importance as it contains the most extensive collection of beads of the Classical period (in Russian).

<sup>1181</sup> Alekseeva 1978, 62-75; Chajredinova 1995, 64-65; Stoljarova 2001, 194-199; Stojanova 2004, 264-278.

<sup>1182</sup> Alekseeva 1978, 73.

<sup>1183</sup> Kopylov 2006, 71.

<sup>1184</sup> Alekseeva 1978, 73.

4th-3rd century BC (**Re-59-Re-60**, **Re-62-Re-63**), one to the 3rd-2nd century BC (**Re-61**) and another one to the 2nd century BC (**Re-64**). In terms of their manufacturing technique, all of the eyes are applied.

Of interest is a bead of a biconical shape of opaque blue glass decorated with a spotted pattern of opaque white-, yellow- and turquoise-coloured glass (**Re-65**), dated to the 1st century AD. Similar beads are known from burials of the first centuries AD in the necropoleis of Chersonesos, Pantikapaion and Phanagoreia.<sup>1185</sup> Not only beads, but also glass vessels were decorated with such patterns, particularly in the 1st century AD (**Re-118**).

A fairly numerous group comprises ornaments with polychrome design: 16 beads and two pendants. Three beads are decorated with festoon patterns (**Re-66-Re-68**), four with transversely-striped designs (**Re-69-Re-72**), one with a lengthwise striped pattern (**Re-73**), one with a spiral (**Re-74**), two with transverse-wavy designs (**Re-75-Re-76**), one with an eyed pattern and marbling (**Re-77**), one with an eyed and transversely-striped design (**Re-78**), one with an eyelash pattern (**Re-79**) and one with a fish-bone pattern (**Re-80**). Beads of polychrome glass are common in all chronological periods and are reported from Greek and Roman, Scythian and Sarmatian sites of the northern Black Sea littoral.

Noteworthy is a fragment of a cylindrical bead made of opaque turquoise glass with a representation of a human face (**Re-81**). Similar ornaments are found in Olbia, Phanagoreia, western Crimea and at the Elizavetovskoe Settlement. They are dated to the 4th-3rd century BC.<sup>1186</sup> V.P. Kopylov is of the opinion that beads of this type were manufactured in Punic workshops.<sup>1187</sup>

Two further pendants are made of polychrome glass. One of the specimens, in the form of a dove of transparent blue glass with eyes of opaque white glass (**Re-82**), is quite rare. A similar pendant has been found in Chersonesos, but there is no evidence for its dating. The second example, in the form of a mask of blue glass representing a bearded face (**Re-83**), has parallels in contexts of the 4th-3rd century BC. Pendants of this type are known also in Syria, Egypt and other Mediterranean centres.<sup>1188</sup>

The least numerous group is that of beads with a metal lining, with only one specimen (**Re-84**). Cylindrical beads of this type were nevertheless widespread in the northern Black Sea area both during the Hellenistic period and in the first centuries AD.<sup>1189</sup>

Ornaments of Egyptian faience include a fragment of a pendant depicting the pigmy-like bearded god Bes of greenish faience (only the headdress is preserved) (**Re-85**). In the northern Black Sea littoral, similar figurines of Bes are characteristic of complexes at Chersonesos, Olbia and Pantikapaion in the 1st-2nd century AD.<sup>1190</sup> A cylindrical bead with eight lobes of turquoise faience was also found (**Re-86**).

It must be noted that beads of Egyptian faience with a metal lining were highly popular, as suggested by the numerous finds throughout the vast territory from the Urals to the Elb, but in Sector NGS they are represented by only a few examples.

Of most interest are the sets of beads from Room 465 in Houseblock V and from House VI-2. The string of beads found in Room 465 consists of 74 tiny, short, cylindrical beads of opaque white, yellow, turquoise and black glass (**Re-87**) dated to the 4th-3rd century BC. Beads of this type became widespread in the northern Black Sea area from the 3rd century BC. The string from House VI-2 includes 28 pendants of pyramid shape made of transparent dark-blue glass and 15 rounded beads of opaque blue glass decorated with nine blue-and-white eyes (**Re-88**). These are also dated to the 4th-3rd century BC. Similar beads and pendants are reported from complexes of the 5th century BC to the 2nd century AD. On the early eyed beads of the 5th-3rd century BC a distinctive transverse structure of the core is characteristic, while in their holes the traces of the ceramic base are recognizable. These features have been noted for the examples under discussion.

In addition, glass objects are also represented by inserts, gaming counters, a fragment of a cosmetic stick and a fragment of a bracelet. Glass inserts for finger-rings, ear-rings and cases were particularly widespread in the Roman period. They have been found during excavations of cities of the northern Black Sea area, as well as at late Scythian and Sarmatian sites. From Sector NGS, five such inserts of opaque and transparent glass of various hues have been recovered (**Re-89-Re-93**).

<sup>1185</sup> Chajredinova 1995, 69; Vysotskaja & Ryžova 1999, 120; Stojanova 2004, 278.

<sup>1186</sup> Alekseeva 1982, 41.

<sup>1187</sup> Kopylov 2006, 71.

<sup>1188</sup> Seefried 1979, 17-26, type C, figs. 7-9; Kopylov 2006, 71.

<sup>1189</sup> Alekseeva 1978, 30; Chajredinova 1995, 72; Stojanova 2004, 287.

<sup>1190</sup> Alekseeva 1975, 34, 39; Stoljarova 2001, 201.

Of interest are three counters for a game popular in the Roman Empire and similar to present-day backgammon which used counters of light and dark glass. Possibly the game was brought to Olbia by Roman soldiers (**Re-94-Re-96**). Throughout the northern Black Sea littoral, such counters have also been found at settlements and cemeteries of the Černjachov culture.<sup>1191</sup>

Of particular interest is a fragment of a cosmetic stick(?) of semi-transparent blue glass with stripes of opaque white glass (**Re-97**). The technique of manufacturing objects of this type is fairly simple: stripes of molten glass of various colours are laid parallel and wound into a spiral. In the northern Black Sea region, such sticks have been discovered in Chersonesos,<sup>1192</sup> Olbia<sup>1193</sup> and Pantikapaion.<sup>1194</sup> Similar objects have been found on Cyprus and in the eastern and western provinces of the Roman Empire.<sup>1195</sup> They are dated to the second half of the 1st and the first half of the 2nd century AD, and were produced presumably in workshops of the eastern Mediterranean.

A unique find is a fragment of a glass bracelet of semi-transparent blue glass with a wavy design of opaque white and yellow glass (**Re-98**). Practically no ornaments of the first centuries AD of this type are known in the northern Black Sea littoral. A fragment of a bracelet of blue glass with cone-like projections was recovered from a child's grave (no. 18) in Olbia and dated to the 2nd century AD.<sup>1196</sup>

In the excavation of Sector NGS, 31 fragments of miscellaneous glass vessels have been uncovered. Of these, nine fragments were produced by the sand-core technique, five were made by the casting technique and 17 were free-blown. Unfortunately some of the fragments do not allow us to identify the shapes of the vessels.

The products manufactured by the sand-core technique include fragments of the upper body of a flask (**Re-99**), the walls of an amphoriskos (**Re-100**) and of an alabastron (**Re-101**), as well as the neck of an oinochoe (**Re-102**). Among the cosmetic vessels are four body fragments decorated with a festoon pattern (**Re-103-Re-106**). Similar vessels were fairly widespread in the ancient world. They are dated to the 4th-3rd century BC and are attributed to workshops of the eastern Mediterranean.<sup>1197</sup> In the northern Black Sea region, such vessels are common at sites of both the Greek and Roman periods,<sup>1198</sup> and at Scythian sites.<sup>1199</sup>

The glass-casting technique is represented by fragments with traces of rotation: the rim of a phiale with relief ribs (**Re-107**), the rim of a cup with a cut edge (**Re-108**) and the lower part of a handle of a skyphos or a kantharos (**Re-109**).

Cups, as well as phialae with relief ribs, were produced in workshops of the eastern Mediterranean in the 1st century AD and are widespread in both the eastern and western provinces of the Roman Empire.<sup>1200</sup> Glass kantharoi and skyphoi copying the forms of metal vessels are found mostly in the northern Caucasus and the Kuban river region.<sup>1201</sup> They are dated from the mid-2nd century BC to the first half of the 1st century AD, and originate from the eastern Mediterranean.<sup>1202</sup>

The group of glass objects most common in the first centuries AD is that of vessels produced using the free-blown technique. In Sector NGS, these are represented by fragmentary jugs (**Re-111-Re-113**) and beakers (**Re-114-Re-117**). The base of a vessel of violet glass (**Re-110**) is possibly a product of east Mediterranean craftsmen.<sup>1203</sup>

Noteworthy is a wall fragment of opaque blue glass decorated with spots of opaque yellow and white glass (**Re-118**). Vessels ornamented in this manner were popular in the 1st century AD and were imported from the workshops of northern Italy.<sup>1204</sup>

<sup>1191</sup> Symonovič 1964, 302-307; Krüger 1982, 137-138; Magomedov 2001, 86.

<sup>1192</sup> Zubar' 1982, 91, 93.

<sup>1193</sup> Ostroverchov & Levina 1992, 144-145, cat. 1, 11.

<sup>1194</sup> Ostroverchov & Levina 1992, 144-145, cat. 2, 7, 8, 12; Kunina 1997, 263-265.

<sup>1195</sup> Isings 1957, form 79; Vessberg 1952, pl. X, 15-17.

<sup>1196</sup> Vysotskaja 1994, 112, pl. 5, fig. 29.

<sup>1197</sup> Fossing 1940, 60-76, figs. 27-48; Grose 1989, 60-170.

<sup>1198</sup> Kunina 1997, 247-253.

<sup>1199</sup> Dzigovskij & Ostroverchov 2000, 79-84.

<sup>1200</sup> Isings 1957, form 3a; Sorokina 1962, 216, figs. 3, 4; Fremersdorf 1967, IV, Taf. 7; Meyer 1988, 185; Guščina & Zaseckaja 1989, 136, pl. IX, 73; Price & Cool 1994, 140-149; Price 1995, 140-149; Kunina 1997, 257, cat. nos. 50, 54-56; Golofast 2006, 310.

<sup>1201</sup> Smirnov 1973, 17-22, fig. 10; Zaseckaja & Marčenko 1995, 90-104.

<sup>1202</sup> Harden & Price 1971, 332-336; Oliver 1967, 31-32, nos. 23-25; Price 1991, 159-162; Kunina 1997, 259, cat. nos. 57-62; Molev 2004, 409; Golofast 2006, 313.

<sup>1203</sup> Kunina 1997, cat. nos. 250, 271.

<sup>1204</sup> Kunina 1997, 273, 293.

Summarizing the study of glass finds from Sector NGS, we are drawn to the conclusion that predominant numbers of the glass objects recovered from here come from east Mediterranean workshops and have numerous analogies from Greek and Roman sites. Of note is the interesting fact that finds of objects made from Egyptian faience and beads with a metal lining are fairly rare, although such articles are very widespread at other sites of the northern Black Sea littoral.

## Catalogue

## Beads

*Monochrome glass***Re-1** 88-28, II-4

Conical bead of transparent dark-yellow glass. Iridescence. L 0.7;  $\emptyset$  0.8;  $\emptyset$  of perforation 0.1. 1st century BC.

Cf. Alekseeva 1978, 68, type 77.

**Re-2** 94-153, VI-2. Pl. 370

Conical bead of transparent yellow glass. Iridescence. A crack in the surface. L 0.7;  $\emptyset$  0.6;  $\emptyset$  of perforation 0.1-0.2. 1st-3rd century AD.

Cf. Alekseeva 1978, 68, type 77; Stojanova 2004, 273, group IX.

**Re-3** 97-131, V. Pl. 370

Conical bead of transparent yellow glass. Iridescence. Two frs. H 0.9;  $\emptyset$  2;  $\emptyset$  of perforation 0.4. 1st-3rd century AD.

Cf. Alekseeva 1978, 68, type 77; Stojanova 2004, 273, group IX.

**Re-4** 88-29, II-4

Biconical bead of transparent yellow glass. Iridescence. L 1;  $\emptyset$  0.9;  $\emptyset$  of perforation 0.1-0.2. 4th-3rd century BC.

Cf. Alekseeva 1978, 68, type 90.

**Re-5** 88-43, III-1

Biconical bead of transparent dark-yellow glass. Iridescence. L 0.6;  $\emptyset$  0.7;  $\emptyset$  of perforation 0.1-0.2. 4th-3rd century BC.

Cf. Alekseeva 1978, 68, type 90.

**Re-6** 93-179, IV-3. Pl. 370

Biconical bead of opaque yellow glass. Chips in places. L 0.5;  $\emptyset$  0.6;  $\emptyset$  of perforation 0.2. 4th-3rd century BC.

Cf. Alekseeva 1978, 68, type 90.

**Re-7** 97-25, VI-3 B 474/292

Biconical bead of transparent dark-yellow glass. Iridescence. L 0.6;  $\emptyset$  0.7;  $\emptyset$  of perforation 0.2. 4th-3rd century BC.

Cf. Alekseeva 1978, 68, type 90.

**Re-8** 91-104/2, IV-1-2. Pl. 370

Biconical bead of transparent dark-blue glass. Iridescence. Chips near the hole and in the band seam. L 0.6;  $\emptyset$  0.5;  $\emptyset$  of perforation 0.1. 4th-3rd century BC.

Cf. Alekseeva 1978, 68, type 94.

**Re-9** 91-158, II-5 B 311/23. Pl. 370

Biconical bead of transparent dark-blue glass. Iridescence cavities. Chips near the hole. L 0.8;  $\emptyset$  0.8;  $\emptyset$  of perforation 0.2. 4th-3rd century BC.

Cf. Alekseeva 1978, 68, type 94.

**Re-10** 91-547, III-3 R 278/93

Biconical bead of transparent glass with a greenish tint. Small chips. L 0.5;  $\emptyset$  0.7;  $\emptyset$  of perforation 0.1-0.3. 4th-3rd century BC.

Cf. Alekseeva 1978, 69, type 96.

**Re-11** 93-193, II-5 B 390/26

Biconical bead of transparent glass with a bluish tint. Iridescence. Half

of the piece is preserved. L 0.65;  $\emptyset$  1;  $\emptyset$  of perforation 0.1. 4th-3rd century BC.

Cf. Alekseeva 1978, 69, type 96.

**Re-12** 88-62

Faceted bead of transparent colourless glass. Iridescence. Half of the piece is preserved. L 1.1;  $\emptyset$  1;  $\emptyset$  of perforation 0.2. 1st century BC-3rd century AD.

Cf. Alekseeva 1978, 71, type 138.

**Re-13** 89-138, II-4

Bead of rounded shape of opaque yellow glass. Iridescence. L 0.5;  $\emptyset$  0.5;  $\emptyset$  of perforation 0.3-0.35. 4th century BC.

Cf. Alekseeva 1978, 63, type 5.

**Re-14** 88-30, VI-4

Fr. of bead of rounded shape of transparent yellow glass. Iridescence. Chips and cracks on the surface. L 1.55;  $\emptyset$  1.7;  $\emptyset$  of perforation 0.4. 1st century BC-2nd century AD.

Cf. Alekseeva 1978, 63, type 6; Stojanova 2004, 265, group I, type 4.

**Re-15** 89-679, IV-1 B 257/155

Bead of rounded shape from semi-transparent brown glass. Iridescence. L 0.6;  $\emptyset$  0.8;  $\emptyset$  of perforation 0.3. 4th-3rd century BC.

Cf. Alekseeva 1978, 63, type 6.

**Re-16** 89-737, IV-1

Bead of rounded shape of transparent amber-yellow glass. Iridescence. L 0.35;  $\emptyset$  0.5;  $\emptyset$  of perforation 0.2. 1st century BC-2nd century AD.

Cf. Alekseeva 1978, 63, type 6; Stojanova 2004, 265, group I, type 4.

**Re-17** 93-932, III-3 B 368/106

Bead of rounded shape of transparent yellow glass. Cavities on the surface. L 0.5;  $\emptyset$  0.8;  $\emptyset$  of perforation 0.4. 1st century BC-2nd century AD.

Cf. Alekseeva 1978, 63, type 6; Stojanova 2004, 265, group I, type 4.

**Re-18** 00-1103, VI

Bead of rounded shape of transparent dark-yellow glass. Iridescence. L 1;  $\emptyset$  1.1;  $\emptyset$  of perforation 0.3. 1st century BC-2nd century AD.

Cf. Alekseeva 1978, 63, type 6; Stojanova 2004, 265, group I, type 4.

**Re-19** 89-743, III-2 R 255/84

Bead of rounded shape of opaque turquoise glass. Iridescence. Half of the piece is preserved. L 0.6;  $\emptyset$  0.8;  $\emptyset$  of perforation 0.1. 4th-3rd century BC.

Cf. Alekseeva 1978, 64, type 13.

**Re-20** 00-478, V

Bead of rounded shape of opaque turquoise glass. Iridescence. Half of the piece is preserved. L 0.5;  $\emptyset$  0.6;  $\emptyset$  of perforation 0.4. 2nd century BC-2nd century AD.

Cf. Alekseeva 1978, 64, type 13; Stojanova 2004, 265, group I, type 7.

**Re-21** 88-152, II-6 B 186

Bead of rounded shape of transparent dark-blue glass. Iridescence. L 0.6;  $\emptyset$  0.8;  $\emptyset$  of perforation 0.2. 4th century BC-2nd century AD.

Cf. Alekseeva 1978, 64, type 15; Stoljarova 2001, 214; Stojanova 2004, 265, group I, type 8, variant a.

**Re-22** 91-128, II-5

Bead of rounded shape of transparent dark-blue glass. A small chip near the hole. L 0.5; Ø 0.5; Ø of perforation 0.1-0.2. 4th century BC-2nd century AD.

Cf. Alekseeva 1978, 64, type 15; Stoljarova 2001, 214; Stojanova 2004, 265, group I, type 8, variant a.

**Re-23** 91-252, IV-2 R 301/175

Bead of rounded shape of transparent blue glass. Cavities formed by iridescence. L 0.6; Ø 0.8; Ø of perforation 0.3. 4th century BC-2nd century AD.

Cf. Alekseeva 1978, 64, type 15; Stoljarova 2001, 214; Stojanova 2004, 265, group I, type 8, variant a.

**Re-24** 92-849, IV-3 B 343/208

Bead of rounded shape of opaque blue glass. Iridescence. Two frs. L 0.6; Ø 1; Ø of perforation 0.4. 4th century BC-2nd century AD.

Cf. Alekseeva 1978, 64, type 15; Stoljarova 2001, 214; Stojanova 2004, 265, group I, type 8, variant b.

**Re-25** 92-924, IV-4 B 353/224

Bead of rounded shape of opaque blue glass. Iridescence. Half of the piece is preserved. Chips on the surface. L 1.3; Ø 1.6; Ø of perforation 0.5. 4th century BC-2nd century AD.

Cf. Alekseeva 1978, 64, type 15; Stoljarova 2001, 214; Stojanova 2004, 265, group I, type 8, variant b.

**Re-26** 96-73, II-5 B 390/37

Bead of rounded shape of opaque blue glass. Iridescence. L 0.8; Ø 1; Ø of perforation 0.4. 4th century BC-2nd century AD.

Cf. Alekseeva 1978, 64, type 15; Stoljarova 2001, 214; Stojanova 2004, 265, group I, type 8, variant b.

**Re-27** 93-933, III-3 B 368/106

Bead of rounded shape of opaque turquoise glass. Iridescence. Half of the piece is preserved. L 0.8; Ø 1.2; Ø of perforation 0.5. 4th century BC-2nd century AD.

Cf. Alekseeva 1978, 65, type 16; Stojanova 2004, 266, group I, type 9.

**Re-28** 95-608, V

Bead of rounded shape of opaque blue glass. Iridescence. Ø 0.4; Ø 0.6; Ø of perforation 0.2. 4th century BC-2nd century AD.

Cf. Alekseeva 1978, 65, type 16; Stojanova 2004, 266, group I, type 9.

**Re-29** 97-134, VI-3

Bead of rounded, transversely-compressed shape of opaque blue glass. Iridescence. Half of the piece is preserved. Ø 0.4; Ø 0.9; Ø of perforation 0.6. 4th-3rd century BC.

Cf. Alekseeva 1978, 65, type 16.

**Re-30** 88-30, II-4

Fr. of bead of rounded, flattened shape of dark-yellow glass. Iridescence. Chips on the surface. L 1.1; Ø 1.3; Ø of perforation 0.2. 1st century AD.

Cf. Alekseeva 1978, 73, type 167.

**Re-31** 89-339, III-2 R 164/82

Flattened spacer-bead in the form of an ivy leaf of transparent glass with a bluish tint. Iridescence. A crack in the surface. H 1.4; Ø 2; D 0.5; Ø of perforation 0.2. 2nd-1st century BC.

Cf. Alekseeva 1978, 73, type 167.

**Re-32** 93-215, III-3 R 359/117. Pl. 370

Flattened spacer-bead in the form of an ivy leaf of transparent glass with a bluish tint. Cavities on the surface. H 1.6; Ø 1.8; Ø of perforation 0.2-0.3. 2nd-1st century BC.

Cf. Alekseeva 1978, 73, type 167.

**Re-33** 99-326, VI-3

Flattened spacer-bead in the form of an ivy leaf of transparent glass with a bluish tint. Iridescence. Chips in places. H 1.6; Ø 1.9. 2nd-1st century BC.

Cf. Alekseeva 1978, 73, type 167.

**Re-34** 92-900, IV-4 B 353/222. Pl. 370

Bead of rounded shape with corrugated surface of opaque white glass. Iridescence. L 0.6; Ø 1.1; Ø of perforation 0.6. 4th-3rd century BC.

Cf. Alekseeva 1978, 71, type 142.

**Re-35** 89-671, IV-I B 253/144. Pl. 370

Fr. of bead of rounded shape with corrugated surface of semi-transparent blue glass. Iridescence. L 1.1; Ø 1.5.1; Ø of perforation 0.5. 3rd century BC.

Cf. Alekseeva 1978, 71, type 149.

**Re-36** 96-518

Parallelepiped spacer-bead of transparent yellow glass. Iridescence. Four frs. L 1.3; Ø 0.6; Ø of perforation 0.2. 2nd-3rd century AD.

Cf. Alekseeva 1978, 69, type 106; Stoljarova 2001, 216; Stojanova 2004, 270, group V.

**Re-37** 88-77. Pl. 370

Parallelepiped spacer-bead of transparent glass with a bluish tint. Iridescence. Partly preserved. L 2.1; Ø 0.7; Ø of perforation 0.2. 3rd century BC.

Cf. Alekseeva 1978, 69, type 111.

**Re-38** 90-185, II-1

Parallelepiped spacer-bead of transparent colourless glass. Iridescence. L 1.6; Ø 0.4; Ø of perforation 0.1-0.2. 3rd century BC.

Cf. Alekseeva 1978, 69, type 111.

**Re-39** 91-589, IV-1 B 315/139

Parallelepiped spacer-bead of transparent glass with a bluish tint. Parts broken off near the hole. L 2; Ø 0.7; Ø of perforation 0.1-0.2. 3rd century BC.

Cf. Alekseeva 1978, 69, type 111.

**Re-40** 03-187, III-2 B 164. Pl. 370

Parallelepiped spacer-bead of transparent glass with a greenish tint. Iridescence. Half of the piece is preserved. L 1.8; Ø 0.7; D 0.6; Ø of perforation 0.2. 1st-3rd century AD.

Cf. Alekseeva 1978, 69, type 111; Stoljarova 2001, 216; Stojanova 2004, 270, group V.

**Re-41** 95-76, VI-2 B 410/245. Pl. 370

Pyramidal bead of transparent green glass. Iridescence. The upper part with the hole is lost. H 1.05; Ø 0.6; D 0.6. 4th-3rd century BC.

Cf. Alekseeva 1978, 69, type 112.

**Re-42** 91-104/1, IV-1-2

Fr. of tetrahedral spacer-bead with curved ribs of transparent dark-blue glass. Iridescence. Chips on the surface. L 1.7; Ø 0.7; Ø of perforation 0.2. 3rd century BC.

Cf. Alekseeva 1978, 71, type 139.

**Re-43** 91-129, II-5. Pl. 370

Tetrahedral spacer-bead with curved ribs of transparent yellow glass.

Cavities formed by iridescence. Chips near the hole. L 1.5; Ø 0.5; Ø of perforation 0.2. 3rd century BC.

Cf. Alekseeva 1978, 71, type 139.

**Re-44** 89-825, II-6 B 260/59. Pl. 370

Two-lobed bead of semi-transparent blue glass. Iridescence. Half of the piece is preserved. L 0.8; Ø in the middle 1.1; D 0.4; Ø of perforation 0.2. 4th-3rd century BC.

Cf. Alekseeva 1978, 72, type 155.

**Re-45** 94-667, IV-2 B 302/190

Egg-shaped bead of opaque blue glass. Iridescence. L 0.8; Ø 0.6; Ø of perforation 0.1-0.2. 4th-3rd century BC.

Cf. Alekseeva 1978, 66, type 43.

**Re-46** 96-405, VI-3

Spindle-shaped spacer-bead of transparent glass with a greenish tint. Iridescence. L 3.3; Ø 1.4; Ø of perforation 0.3. 2nd-3rd century AD.

Cf. Alekseeva 1978, 66, type 53; Stojanova 2004, 273, group VIII, type 2.

**Re-47** 00-1104, VI

Barrel-shaped bead of semi-transparent blue glass. Iridescence. Half of the piece is preserved. L 1; Ø 0.5; Ø of perforation 0.2. 1st-2nd century AD.

Cf. Alekseeva 1978, 65, type 28; Stojanova 2004, 266, group II.

**Re-48** 89-138, II-4

Spacer-bead in the form of a duck of transparent green glass. Iridescence. H 1.9; Ø 1.2. 1st-2nd century AD.

Cf. Alekseeva 1978, 74, type 188.

## Pendants

### *Monochrome glass*

**Re-49** 88-515, II-3-4. Pl. 370

Pendant in the form of a stylized vessel of transparent colourless glass. Iridescence. The loop is lost. H 1.2; Ø 1. 4th-3rd century BC.

Cf. Alekseeva 1978, 74, type 193 d.

**Re-50** 88-516, II-3-4. Pl. 370

Pendant in the form of a stylized vessel of transparent glass with a greenish tint. Iridescence. The loop is lost. H 1.2; Ø 0.9. 4th-3rd century BC.

Cf. Alekseeva 1978, 74, type 193 d.

**Re-51** 89-1019. Pl. 370

Pendant in the form of a stylized vessel of transparent dark-yellow glass. Iridescence. The loop is lost. H 1.95; Ø 0.95. 2nd-1st century BC.

Cf. Alekseeva 1978, 74, type 193 g.

**Re-52** 93-295, IV-3. Pl. 370

Pendant in the form of stylized vessel of transparent colourless glass. Iridescence. The upper part of the loop is lost. H 1.95; Ø 1; Ø of perforation 0.1. 2nd-1st century BC.

Cf. Alekseeva 1978, 74, type 193 g.

**Re-53** 88-31, II-4. Pl. 370

Pendant in the form of a stylized vessel of semi-transparent blue glass. Iridescence. The loop is lost. H 0.9; Ø 1; D 0.7. 1st-4th century AD.

Cf. Alekseeva 1978, 74, type 193 b.

**Re-54** 93-192, II-5 B 390/26

Two fragmentary pendants in the form of stylized vessels of transparent yellow glass. Iridescence. 0.9 x 1; 1 x 1. 2nd century BC-1st century AD.

Cf. Alekseeva 1978, 74, type 193 b; Guščina & Zaseckaja 1989, 102; Stojanova 2004, 277, type 2.

**Re-55** 89-911, IV-1 B 253. Pl. 371

Flattened pendant of opaque blue glass in the form of a two-sided relief representation of a male face. Iridescence. Half of the piece is preserved; the loop is lost. L 1.8; Ø 1.2; D 0.75. 3rd century BC.

Cf. Alekseeva 1978, 73, type 182.

**Re-56** 89-558, IV

Drop-like pendant with truncated top of transparent brown glass. Iridescence. The lower part is glued; the loop is lost. L 1.85; Ø 0.8; D 0.6. 4th-3rd century BC.

Cf. Alekseeva 1978, 72, type 164.

**Re-57** 92-985, III-2. Pl. 371

Fr. of a pendant in the form of the lower part of a pair of legs standing on a rectangular pedestal of semi-transparent yellow glass. Iridescence. H 1.45; Ø of pedestal 0.9; H of pedestal 0.4; D 0.7. 1st-2nd century AD.

Cf. Alekseeva 1978, 73, type 178.

**Re-58** 95-100, VI-2 B 410/253. Pl. 371

Pendant in the form of an animal fang of transparent yellow glass. Iridescence. H 1.2; Ø 0.25; Ø of perforation 0.1. 3rd century BC.

Cf. Alekseeva 1978, 74, type 200.

## Beads

### *Polychrome glass*

### Eyed and spotted designs

**Re-59** 89-680, IV-1 B 257/155. Pl. 371

Bead of rounded shape of opaque yellow glass, decorated with eyed design. Four eyes of layered white and blue discs are preserved. Iridescence. Half of the piece is preserved. Chips on the surface. L 1.2; Ø 1.8; Ø of perforation 0.9. 4th century BC.

Cf. Alekseeva 1975, 64, type 49 g.

**Re-60** 89-872, IV-1 B 253/146. Pl. 371

Bead of rounded shape of opaque yellow glass, decorated with three eyes of white and blue discs. Iridescence. L 1.1; Ø 1.3; Ø of perforation 0.5. 4th-3rd century BC.

Cf. Alekseeva 1975, 60, type 28 v.

**Re-61** 92-566, III-3 R 359/116

Bead of rounded shape of opaque blue glass, decorated with three eyes rendered in appliqué rings of opaque yellow glass. Iridescence. L 1; Ø 1.6; Ø of perforation 0.6. 3rd-2nd century BC.

Cf. Alekseeva 1975, 62, type 33 v.

**Re-62** 92-71, III. Pl. 371

Fr. of bead of rounded shape of opaque blue glass, decorated with three eyes: the central blue disc is encircled by a ring of opaque white glass. Iridescence. L 1.2; Ø 1.3; Ø of perforation 0.8. 4th-3rd century BC.

Cf. Alekseeva 1975, 68, type 78 v.

**Re-63** 93-442, II-7 P 1/66

Bead of rounded, transversely-compressed shape of opaque turquoise

glass, decorated with three eyes: blue discs applied to white discs. Iridescence. Half of the piece is preserved. L 0.7; Ø 1.5; Ø of perforation 0.5. 4th-3rd century BC.

Cf. Alekseeva 1975, 70, type 100.

**Re-64** 94-170, IV-2 B 302/182. Pl. 371

Bead of rounded shape of opaque white glass, decorated with three eyes: blue discs are applied onto the core with blue rings around them. Iridescence. Three small holes on the surface. L 1.1; Ø 1.1; Ø of perforation 0.3. 2nd century BC.

Cf. Alekseeva 1975, 59, type 26 a.

**Re-65** 90-23, II-1-2. Pl. 371

Fr. of bead of longitudinally-elongated biconical shape of opaque blue glass, decorated with spotty design of opaque white, yellow and turquoise glass. Iridescence. L 2.8; D 1.6; Ø of perforation 0.3. 1st century AD.

Cf. Alekseeva 1975, 58, type 19; Stojanova 2004, 279, variety I.

### Festooned designs

**Re-66** 89-38, II-6

Cylindrical bead of opaque blue glass, decorated with festoons of opaque white glass. Iridescence. A chip and a crack near one of the orifices. L 1.7; Ø 0.6; Ø of orifices 0.2-0.3. 1st-2nd century AD.

Cf. Alekseeva 1978, 49, type 275 a.

**Re-67** 89-729, IV-1 B 257/156. Pl. 371

Parallelepiped spacer-bead of opaque red glass, decorated with festoons of opaque blue glass. Iridescence. Chips on the surface and near one of the orifices. L 1.1; Ø 1.2; Ø of perforation 0.4. 4th-3rd century BC.

Cf. Alekseeva 1978, 49, type 276.

**Re-68** 90-596. Pl. 371

Fr. of barrel-shaped bead of opaque blue glass, decorated with festoons of opaque white glass and spots of opaque yellow glass. Iridescence. 1.5 x 1.3; Ø of perforation 0.35. 4th-1st century BC.

Cf. Alekseeva 1978, 48, type 264 a.

### Transversely-striped designs

**Re-69** 89-788, IV-1 B 253/145. Pl. 371

Spindle-shaped bead of opaque blue glass, decorated with a transverse stripe of opaque white glass. Iridescence. L 1; Ø 0.5; Ø of perforation 0.2. 2nd century BC-2nd century AD.

Cf. Alekseeva 1978, 41, type 152; Stojanova 2004, 280, variety III.

**Re-70** 90-573, IV-1. Pl. 371

Barrel-shaped bead of opaque white glass, decorated with a transverse stripe of opaque blue glass. Iridescence. Four joining frs.; chips near the holes and on the surface. L 1.7; Ø 1.3; Ø of perforation 0.4. 4th-3rd century BC.

Cf. Alekseeva 1978, 40, type 146.

**Re-71** 92-567, III-3 R 359/116. Pl. 371

Bead of rounded shape of opaque blue glass, decorated with a transverse stripe of opaque white glass. Iridescence. Three holes on the surface. L 0.9; Ø 1.2; Ø of perforation 0.2. 1st-2nd century AD.

Cf. Alekseeva 1978, 40, type 144; Stojanova 2004, 280, variety III.

**Re-72** 94-50, IV-2 B 302/180. Pl. 371

Bead of rounded shape of opaque blue glass, decorated with a transverse

stripe of opaque white glass. Iridescence. L 0.9; Ø 1.1; Ø of perforation 0.3. 1st-2nd century AD.

Cf. Alekseeva 1978, 40, type 144; Stojanova 2004, 280, variety III.

### Lengthwise-striped design

**Re-73** 94-154, VI-2

Fr. of cylindrical spacer-bead of opaque blue glass, decorated with a lengthwise-striped design of opaque blue glass. Iridescence. L 0.3; Ø 0.3; Ø of perforation 0.1. 2nd century BC-2nd century AD.

Cf. Alekseeva 1978, 43, type 186; Stojanova 2004, 285, variety IX.

### Spiral design

**Re-74** 93-347, III-2 B 389/87. Pl. 371

Bead of rounded shape with corrugated surface of opaque blue glass, decorated with a thread of opaque glass wound in a spiral. Iridescence. Half of the piece is preserved. L 0.65; Ø 1; Ø of perforation 0.6. 4th-3rd century BC.

Cf. Alekseeva 1978, 45, type 220.

### Transverse-wavy designs

**Re-75** 89-672, IV-1 B 253/144. Pl. 371

Spacer-bead of rounded flattened shape; soldered from opaque white, yellow and blue glass. Iridescence. Half of the piece is preserved. L 1.3; H 0.7; Ø of the middle part 0.75; Ø of perforation 0.4. 3rd-1st century BC.

Cf. Alekseeva 1978, 50, type 292.

**Re-76** 92-568, III-3 R 359/116. Pl. 371

Bead of rounded shape of opaque black glass, decorated with a transverse, wavy thread of opaque white glass. Iridescence. Small hole on the surface. L 0.8; Ø 1; Ø of perforation 0.4. 1st-2nd century AD.

Cf. Alekseeva 1978, 51, type 300 a; Stojanova 2004, 283, variety VI, group I, type I.

### Eyed design with marbling

**Re-77** 88-239, II-6. Pl. 371

Fr. of a prismatic spacer-bead of opaque blue glass, decorated with eyed design with marbling: yellow threads extended over the surface and white-and-blue eyes. Three eyes of a blue disc applied to a white disc are preserved. Iridescence. L 1.9; Ø 1.7; Ø of perforation 1.2. 3rd century BC-1st century AD.

Cf. Alekseeva 1978, 56, type 387.

### Eyed transverse-striped design

**Re-78** 96-4, V. Pl. 372

Bead of rounded shape of opaque white glass, decorated with eyed, transversely-striped design of opaque blue glass: the central blue disc is encircled by a blue ring. Wound with a blue thread along the edge. Iridescence. L 1.5; Ø 2; Ø of perforation 1. 2nd century BC-1st century AD.

Cf. Alekseeva 1978, 54, type 358, 359.

### Eyelash pattern

**Re-79** 90-112, IV-1. Pl. 372

Bead of rounded shape of opaque blue glass, decorated with yellow eyes with eyelashes of white and red glass. Iridescence. Half of the piece is preserved. L 1.15; Ø 1; Ø of perforation 0.4. 2nd-3rd century AD.

Cf. Alekseeva 1982, 43, type 497; Stojanova 2004, 285, variety VIII.

### Beads with complicated striped decoration

**Re-80** 97-228, VI-3 B 489/296. Pl. 372

Bead of rounded shape of opaque blue glass, decorated with fishbone design of opaque white, yellow and red glass. Iridescence. Half of the piece is preserved. L 1; Ø 1.1; Ø of perforation 0.4. 2nd-1st century BC.

Cf. Alekseeva 1982, 39, type 430.

### Bead with representation of human face

**Re-81** 93-1273

Cylindrical bead of opaque turquoise glass with a representation of a face. Two cones of opaque yellow glass, part of the nose of opaque white glass and remains of the eyes from opaque white, yellow and blue glass are preserved. L 1.9; Ø 1.6; Ø of perforation 1. 4th-3rd century BC.

Cf. Alekseeva 1982, 41, types 458, 459.

## Pendants

### *Polychrome glass*

**Re-82** 89-502, III-2 R 255/85

Pendant of transparent blue glass depicting a dove. The eyes are stratified of opaque white glass. Fr. of the lower part is lost. H 1.7; Ø 1.3. 3rd-2nd century BC.

Cf. Alekseeva 1982, 42, type 471.

**Re-83** 94-433a, VI-2 R 410/247. Pl. 372

Pendant of blue glass depicting a bearded face mask. Preserved are the beard of opaque blue glass, part of the mouth and nose, eyes and an ear-ring. The mouth and the ear-ring are of opaque yellow glass. The nose is of opaque white glass. The eyes are of white and the pupils of opaque blue glass. The area from the nose towards the eyes is inlaid with white glass. The beard is rendered by upright ridges. The ear-ring is circular. Iridescence. The upper part is lost. Chips and smears. H 2.2; Ø 2.2. 4th century BC.

Cf. Alekseeva 1982, 41, type 462; Seefried 1979, 17-26, type C, figs. 7-9.

## Glass with metal lining

**Re-84** 93-1104, III-3 B 368/107

Cylindrical bead with metal lining of yellow colour. Iridescence. L 0.5; Ø 0.7; Ø of perforation 0.3. 4th century BC-2nd century BC.

Cf. Alekseeva 1978, 30, type 4; Stoljarova 2001, 208; Stojanova 2004, 287.

## Egyptian faience

**Re-85** 98-296, VI-3. Pl. 372

Pendant depicting the pigmy-like bearded god Bes with a high headdress of feathers of greenish faience. The figure is represented squatting down, resting, with the hands on the spread knees. Particular feathers and a strip at the bottom are distinguishable on the headdress. Iridescence. The lower part is lost. H 2.5; Ø 1.8; D 1.1. 1st-2nd century AD.

Cf. Alekseeva 1975, 38-39, type 35; Stoljarova 2001, 201.

**Re-86** 03-355, II-3 B 92. Pl. 372

Cylindrical bead, decorated with eight turquoise-coloured lobules with the top cut off. Iridescence. Chips on the surface. L 1.7; Ø 1.8; Ø of perforation 0.3. 4th century BC.

Cf. Alekseeva 1975, 34, type 16 v.

## Strings of beads

**Re-87** 96-180, V R 465/229. Pl. 372

A string consisting of 74 tiny cylindrical beads, of which: 21 are of opaque yellow glass; 15 of opaque turquoise glass; 35 of opaque black glass; three of opaque white glass. Iridescence. L 0.1-0.2; Ø 0.3; Ø of perforations 0.1. 4th-3rd century BC.

Cf. Alekseeva 1978, 67, types 56, 60, 66.

**Re-88** 97-473, VI-2. Pl. 372

A string consisting of 43 beads, including: 28 pyramidal pendants of transparent dark-blue glass with a hole in the upper part and 15 rounded beads of opaque blue glass, decorated with nine eyes consisting of a blue disc applied to a white disc. Iridescence. Three pendants have lost the lower part. Many of the objects have chips. Pendants: H 1.6-1.8; Ø 0.7; Ø of perforations 0.1. Rounded beads: L 0.9-1.4; Ø 1.1-1.2; Ø of perforations 0.3-0.4. 4th-3rd century BC.

Cf. Alekseeva 1975, 68, type 78 a; Cf. Alekseeva 1978, 69, type 113.

## Miscellaneous glass objects

**Re-89** 92-875, Gutter 324. Pl. 373

A rounded insert of transparent blue glass. Iridescence. H 0.4; Ø 0.6. 1st-4th century AD.

Cf. Krapivina 1993, 130; Stoljarova 2001, 199.

**Re-90** 88-89, II. Pl. 373

Rounded insert of transparent blue glass. Iridescence. Half of the piece is preserved. H 1.5; W 0.6. 1st-4th century AD.

Cf. Krapivina 1993, 130; Stoljarova 2001, 199.

**Re-91** 88-605, II-6 B 195/53

Rounded insert of opaque blue glass. Iridescence. Half of the piece is preserved. H 1.35; W 0.6. 4th-3rd century BC.

Cf. Krapivina 1993, 130; Stoljarova 2001, 199.

**Re-92** 89-417, II. Pl. 373

Rounded insert of transparent glass with a bluish tint. Iridescence. H 0.6; Ø 1.4. 1st-4th century AD.

Cf. Krapivina 1993, 130; Stoljarova 2001, 199.

**Re-93** 89-557, II

Rounded insert of opaque white glass. Iridescence. H 1.1; W 1.25. 1st-4th century AD.

Cf. Krapivina 1993, 130; Stoljarova 2001, 199.

**Re-94** 89-615, IV-1 B 253/143. Pl. 373

Irregular rounded gaming counter of transparent blue glass. Iridescence. 1.7 x 1.9. 1st-4th century AD.

Cf. Symonovič 1964, 307-312; Krüger 1982, 137-138; Magomedov 2001, 86-87.

**Re-95** 92-553, III. Pl. 373

Oval gaming counter of transparent green glass. The glass is saturated with bubbles. Iridescence. 2 x 1.7. 1st-4th century AD.

Cf. Symonovič 1964, 307-312; Krüger 1982, 137-138; Magomedov 2001, 86-87.

**Re-96** 93-107, III-3 B 368/102. Pl. 373

Rounded gaming counter of transparent blue glass. Iridescence. 1.7 x 1.9. 1st-4th century AD.

Cf. Symonovič 1964, 307-312; Krüger 1982, 137-138; Magomedov 2001, 86-87.

**Re-97** 89-689, II. Pl. 373

Fr. of cosmetic stick(?) of semi-transparent blue glass with stripes of opaque white glass. Iridescence. Chips. L 2.7; Ø 0.6. 1st-2nd century AD.

Cf. Ostroverchov & Levina 1992, 141-154; Kunina 1997, 265, cat. 79-83.

**Re-98** 92-469, IV-3 B 343. Pl. 373

Fr. of a bracelet of semi-transparent blue glass, oval in section, with two cylinders along the edges and an oblique ridge in the middle. Decorated with a wavy design of opaque white and yellow glass. Iridescence. L 5.7; Ø 1.5; D 0.8. 1st-2nd century AD.

Cf. Vysotskaja 1994, 112, pl. 5, fig. 29.

## Vessels

### *Sand-core technique*

**Re-99** 90-242, IV-1 R 290/136. Pl. 373

Upper part of a flask of opaque blue glass. The rim is out-turned and flattened. The tubular neck is slightly widened in the lower part and decorated with threads of opaque white glass. Iridescence. The surface is smeared. H 3.7; D 2; Ø 2.3. 4th-3rd century BC.

Cf. Fossing 1940, 60-76, figs. 27-48; Grose 1989, 60-170; Kunina 1997, 247-253.

**Re-100** 96-421 (1-3), V R 465/230. Pl. 373

Three body frs. of an amphoriskos of opaque white glass decorated with wavy lines and festoons of opaque black glass. Iridescence. 1.7 x 1.7; 3.2 x 2.4; 2.8 x 2.5. 4th-3rd century BC.

Cf. Fossing 1940, 60-76, fig. 27-48; Grose 1989, 60-170; Kunina 1997, 251, cat. 27-31.

**Re-101** 96-390, VI-3 R 477/276. Pl. 373

Body fr. of an alabastron of opaque blue glass decorated with relief festoons of opaque yellow glass. Iridescence. 5.1 x 2.5. 4th century BC.

Cf. Fossing 1940, 60-76, fig. 27-48; Grose 1989, 60-170; Kunina 1997, 249-250, cat. 7-18.

**Re-102** 97-534. Pl. 374

Fr. of a short cylindrical neck of an oinochoe of semi-transparent dark-

green glass decorated along the edge with a fillet of opaque white and yellow glass. Iridescence. H 2.35; W 2.85. 4th century BC.

Cf. Fossing 1940, 60-76, fig. 27-48; Grose 1989, 60-170; Kunina 1997, 250, cat. 21.

**Re-103** 99-382, VI, Gutter 577. Pl. 374

Body fr. of a vessel of opaque blue glass decorated with broad belts of opaque white glass with thin threads of yellow glass on top. Iridescence. 2.1 x 2.1. 4th-3rd century BC.

Cf. Fossing 1940, 60-76, figs. 27-48; Grose 1989, 60-170; Kunina 1997, 247-253.

**Re-104** 00-739, VI-2. Pl. 374

Body fr. of a vessel of semi-transparent blue glass decorated with two threads of opaque yellow and blue glass. Iridescence. 2.8 x 1.3. 4th-3rd century BC.

Cf. Fossing 1940, 60-76, figs. 27-48; Grose 1989, 60-170; Kunina 1997, 247-253.

**Re-105** 03-305, III-2 B 164. Pl. 374

Body fr. of a vessel with part of the handle of opaque blue glass decorated with a wavy design of opaque white and yellow glass. Iridescence. Chips. 1.6 x 0.6. 4th-3rd century BC.

Cf. Fossing 1940, 60-76, figs. 27-48; Grose 1989, 60-170; Kunina 1997, 247-253.

**Re-106** 03-569, II-1 B 248. Pl. 374

Body fr. of a vessel of opaque dark-green glass decorated with a wavy design of opaque white and yellow glass and threads of blue glass. Iridescence. 1.3 x 1.1. 4th-3rd century BC.

Cf. Fossing 1940, 60-76, figs. 27-48; Grose 1989, 60-170; Kunina 1997, 247-253.

### *Cast*

**Re-107** 89-110, II. Pl. 374

Rim fr. of a phiale with relief ribs. Transparent glass with a bluish tint with traces of rotation. Iridescence. H 3.6; Ø 3.5; D 0.4. 1st century AD.

Cf. Isings 1957, form 3a; Sorokina 1962, 216, figs. 3, 4; Fremersdorf 1967, IV, Taf. 7; Meyer 1988, 185; Guščina & Zaseckaja 1989, 136, pl. IX, 73; Price & Cool 1994, 140-149; Price 1995, 140-149; Kunina 1997, 257, cat. 54-56; Golofast 2006, 310.

**Re-108** 90-22, II. Pl. 374

Rim fr. of a bowl with a cut-off edge. Transparent glass with a greenish tint. Traces of rotation. Iridescence. Chips. H 2.95; L 5.8; D 0.55. 1st century BC-1st century AD.

Cf. Kunina 1997, 257, cat. 50; Golofast 2006, 310.

**Re-109** 90-40, II. Pl. 374

Fr. of the lower part of a horizontal handle with a vertical ledge from a skyphos or kantharos. Transparent glass with a greenish tint. Iridescence. 4 x 1.9 x 0.8. Second half of the 2nd century BC-1st century AD.

Cf. Harden & Price 1971, 332-336; Oliver 1967, 31-32, no. 23-25; Price 1991, 159-162; Zaseckaja & Marčenko 1995, 90-104; Kunina 1997, 259, cat. 57-62; Molev 2004, 409; Golofast 2006, 313.

*Free-blown***Re-110** 88-82, II. Pl. 375

Bottom of a vessel of transparent violet glass. Iridescence. 4.8 x 4.4. 1st century AD.

Cf. Kunina 1997, cat. 250 & 271.

**Re-111** 88-240, II. Pl. 375

Rim fr. of a jug of transparent green glass. Iridescence. 2 x 6; thickness 0.9. 1st-2nd century AD.

Cf. Kunina 1997, 301-309, cat. 230-281.

**Re-112** 88-514, II, below Pavement 177. Pl. 375

Fr. of a massive handle of a jug decorated with eight cylindrical ledges of transparent green glass. Iridescence. H 3.2; L 5.1; Ø 7.1. 1st-2nd century AD.

Cf. Price & Cool 1994, 118-130; Kunina 1997, 301-309, cat. 230-281.

**Re-113** 90-60, IV. Pl. 375

Handle fr. of a jug decorated with a cylinder at its attachment of transparent glass with a greenish hue. Iridescence. Ø 4.4; L 4.2; thickness 0.6-0.8. 1st-2nd century AD.

Cf. Kunina 1997, 301-309, cat. 230-281.

**Re-114** 89-128, between II and III. Pl. 375

Rim fr. of a beaker of transparent glass. The rim is a rounded continuation of the wall. Iridescence. 2 x 2.15. 1st century AD.

Cf. Kunina 1997, 311-317; Molev 2004, 406; Golofast 2006, 311, 312.

**Re-115** 90-550, III. Pl. 375

Rim fr. of a beaker of transparent colourless glass. The rim is a rounded continuation of the wall decorated with two engraved grooves. Iridescence. H 2; Ø 3. 1st-2nd century AD.

Cf. Kunina 1997, 311-317; Molev 2004, 406; Golofast 2006, 311, 312.

**Re-116** 90-14, IV. Pl. 375

Rim fr. of a beaker of transparent colourless glass. The rim is slightly out-turned as a rounded continuation of the wall. Iridescence. H 1.7; L 3.4. 1st-2nd century AD.

Cf. Kunina 1997, 311-317; Molev 2004, 406; Golofast 2006, 311-312.

**Re-117** 97-5. Pl. 375

Rim fr. of a vessel of transparent glass with an olive hue. The rim has a cut edge and is decorated with two engraved grooves. Iridescence. H 3; L 2.9. 1st-2nd century AD.

Cf. Kunina 1997, 311-317; Molev 2004, 406; Golofast 2006, 311, 312.

**Re-118** 02-52. Pl. 375

Body fr. of a vessel of opaque blue glass decorated with spots of opaque yellow and white glass. Iridescence. H 1.9; Ø 2.3. 1st century AD.

Cf. Kunina 1997, 273, cat. 110, 111, 293, cat. 187-190.

**Not seen**

89-614, IV-1 B 253/143; 91-250, IV-2 B 301/175; 92-974, IV-4 B 353/225; 93-1078, VI-2 B 395/260; 94-668, IV-2 B 302/190; 95-99, VI-2 B 410/253; 95-169, VI-3 B 434/275; 95-173, VI-3 B 434/275; 02-117, VI-3 B 661.

