

	<b>Technical Information</b>	<b>730-154-EN</b>		<b>V04</b>
	<b>Removal of GKE SCBIs from Bio-PCDs</b>	Created	09.07.2018	HeK
		Changed	06.08.2021	KP
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GKE Bio-PCDs and SCBIs are precisely composed to create a type 2 indicator system according to EN ISO 11140-1. Therefore only GKE SCBIs can be used in GKE Bio-PCDs. Competitive SCBIs don't fit and can't be used.

If GKE Bio-PCDs with SCBIs were used in steam sterilization processes at 134°C, sometimes SCBI removal problems were observed. No removal problems have been noted with low temperature sterilization processes or steam sterilization processes at 121°C.

We noticed that at 132 - 137°C with longer steam sterilization processes the plastic vial is shrinking but unfortunately is not shrinking remaining round but becoming oval which causes the problem that it is difficult to remove the SCBI.

For this reason GKE has modified the PCD slightly end of 2018 increasing the bore diameter inside the PCD from 9.9 to 10.1 mm.

If you have a problem to remove the SCBI from the Bio-PCD, GKE offers the following recommendations:

1. With long sterilization times above 3.5 min at or above 134°C the plastic vial sometimes starts deforming slightly, causing the problem that the SCBI can't be removed easily. Please always wait until the PCD has cooled down completely by about 15-20 min. Then it is much easier to remove the SCBI, because at room temperature the SCBI is shrinking. In case there is still a problem, knock the PCD with the plastic case moderately on the edge of a table, not with the opening where the SCBI is inserted, so the SCBI can move out.
2. If it does not come out, use a screw for wood of 2 or 3 mm diameter and screw it slightly in the hole of the lid for maximum 3 mm (do not go through the filter underneath the lid with the screw).
3. It could be possible after a longer use, that inside of the PCD where the SCBI is inserted, the walls get partially coated with adhesive, released over time from the outside labels of SCBIs. Please check if the inside of the PCD is clean. If not, clean inner walls with a cotton bud wetted with benzine (clear petrol). Afterwards the SCBI should be removed much easier.