

DESCRIPTION

Cuvette Cup Covers are components of the GEX WINdose Dosimetry System made to be placed on top of a fitted cuvette cup, which is then inserted inside the sample compartment of the Genesys 20 Spectrophotometer. The Cuvette Cup Covers are specifically designed to fit either the WINdose dosimeter holder or the DoseStix dosimeter holder.

APPLICATION

Cuvette cup covers block all stray light and eliminate the extra step of opening and closing the Genesys 20 compartment lid in between each dose measurement, improving user efficiency.

SPECIFICATIONS

Physical Specifications:

GEX Part No.	Product Name and Description	Dimensions	Packaging Dimensions	Packaged Weight
P4602	WINdose Cuvette Cup Cover	2.67" x 2.12"	5.5" x 3.0"	0.1lb.
P4606	DoseStix Cuvette Cup Cover	2.67" x 2.12"	5.5" x 3.0"	0.1lb.

Material:

Black Delrin plastic

Storage:

Store in a cool and dry location, and in an area that minimizes personnel traffic with minimal particulate.

USAGE

How to Use:

- Please refer to the Genesys 20 Operator Manual (see References) for detailed usage information of the spectrophotometer.

Installation of Cuvette Cover

- The Cuvette Cup Cover is placed on top of the Cuvette Cup; align the edges and press down firmly until the cover snaps into position. An alternate way is to first insert the Cuvette Cup into the spectrophotometer, then align the edges and press down firmly until the cover snaps into position.



Step 1

*Place Cuvette Cover on top of the fitted cuvette cup.
(DoseStix cuvette cover shown here)*



Step 2

Press down firmly until the cover clicks into place

- Open the lid to the compartment door of the Genesys 20 Spectrophotometer. Using the tab located on the back of the cuvette cup, install the Cuvette Cup into the spectrophotometer:



Step 1

Place the cuvette cup fixture into the Genesys 20



Step 2

Press cuvette cup fixture firmly into the Genesys 20 until it clicks into place

Site Acceptance Testing

A one-time performance of a site acceptance test (SAT) upon receipt of the first shipment is recommended to ensure the component performs as expected with the actual spectrophotometer and cuvette cup used in-process.

To remove the Cuvette Cup from the spectrophotometer

Firmly grasp the tab on the back of the cuvette cup and pull up and forward.

Calibration:

No calibration required.

Maintenance:

Use filtered or clean air to remove any particulate from the cuvette cup as needed. If heavy particulate, carefully wash with mild soap and water. Rinse thoroughly and dry completely with filtered or clean air before use. If necessary, use a small diameter swab to clean the apertures. Routinely clean and replace the cuvette holder as needed.

PRODUCT PHOTOS

P4602 WINdose Cuvette Cup Cover	P4602 WINdose Cuvette Cup Cover (shown with Cuvette Cup and P4502 dosimeter holder)	P4606 DoseStix Cuvette Cup Cover	P4606 DoseStix Cuvette Cup Cover (shown with Cuvette Cup and P4506 dosimeter holder)
			

ACCESSORIES

GEX Part No.	Description	Purpose	Link
P4502	WINdose Dosimeter Holder	Designed to secure WINdose dosimeter position in spectrophotometer; fits Genesys 20 Cuvette Cup	http://www.gexcorp.com/purchase-pricelist.php
P4506	DoseStix Dosimeter Holder	Designed to secure DoseStix dosimeter position in spectrophotometer; fits Genesys 20 Cuvette Cup	http://www.gexcorp.com/purchase-pricelist.php
P4121	Cuvette Cup	Component of Genesys 20; Cuvette Cup is the bracket that holds the Dosimeter Holder to control the dosimeter position in the spectrophotometer throughout the readout process.	http://www.gexcorp.com/purchase-pricelist.php
P4120	Genesys 20 Spectrophotometer	Dosimeter measurement instrument for GEX WINdose Dosimetry System	http://www.gexcorp.com/purchase-pricelist.php

LIMITATIONS/PRECAUTIONS

None.

HEALTH/ENVIRONMENTAL INFORMATION

Non-toxic. Can be safely be discarded in general waste receptacles.

WARRANTY/GUARANTEE

Guarantee:

1 year GEX satisfaction guarantee. May be returned with or without reason with one year from the date of delivery.

REFERENCES

References:

- ISO 10012: Measurement Management Systems -- Requirements for Measurement Processes and Measuring Equipment
- ISO/ASTM 51261: Calibration of Routine Dosimetry Systems for Use in Radiation Processing (Section 7)
- ISO/ASTM 52628: Describes the basic requirements that apply when making absorbed dose measurements in accordance with the ASTM E61 series of dosimetry standards. In addition, it provides guidance on the selection of dosimetry systems and directs the user to other standards that provide specific information on individual dosimetry systems, calibration methods, uncertainty estimation and radiation processing applications.

GEX Procedures:

- [100-251: Recommended practice for qualifying personnel to perform measurements using the WINdose System](#)
- [100-254: Genesys 20 – Calibration and Maintenance](#)

GEX Technical Reports:

- [100-210: Genesys 20 – General Practices and Information](#)

To learn more about GEX products and services, visit www.gexcorp.com or contact a GEX representative at +1 303 400-9640.