

Validate Your Tube Luminometer !

Even if you use the best instrumentation available, regulations demand regular validation of your equipment.

The **Luminescence TestTube** is a quality control (QC) tool designed to validate the detector performance of tube luminometers.

Quality Control Check

A QC checked luminometer ensures reliable results in every day use. The Luminescence Test Tube enables the user to easily establish and perform a tube luminometer validation in compliance with Good Laboratory Practice guideline.

General Luminometer Performance Test

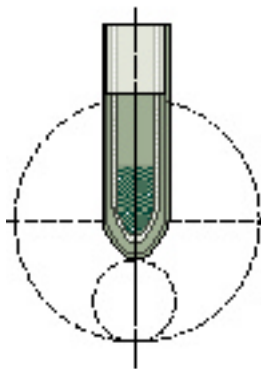
Do you experience questionable or unexpected results? A sixty second luminometer check using Berthold Detection Systems Luminescence TestTube provides timely and accurate information about the luminometer detector performance. The Luminescence TestTube is a simple and efficient tool that can be used in both, routine luminometer validation and emergency diagnostics in case of questionable measurement results.



QC-Check your Luminometer!

Validation Tool for Tube Luminometer

The Luminescence TestTube is a light source using the principle of scintillation. The light intensity produced is within the linear measuring range of Berthold Detection Systems tube luminometers.



The TestTube QC-Check validates the following parameters:

- sensitivity
- reproducibility
- background signal.

A comprehensive User's Manual gives specific directions on how to establish this check in your lab.

QC Data Evaluation Report

An extensive Excel template makes it easy to document reference values and manage routine checks by using

- automatic decay correction
- individually indicated ranges
- instrument background evaluation
- >Pass< and >Fail< classification.

Performance Check											
Berthold Detection Systems' Tube Luminometer											
User/Check Tube/Tube Test/Model:						Reference Tube/Tube Test/Model:					
00100						00100					
Detector: <input type="checkbox"/> N <input type="checkbox"/> F <input type="checkbox"/> T <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> P <input type="checkbox"/> R <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> U <input type="checkbox"/> V <input type="checkbox"/> W <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> Z <input type="checkbox"/> AA <input type="checkbox"/> AB <input type="checkbox"/> AC <input type="checkbox"/> AD <input type="checkbox"/> AE <input type="checkbox"/> AF <input type="checkbox"/> AG <input type="checkbox"/> AH <input type="checkbox"/> AI <input type="checkbox"/> AJ <input type="checkbox"/> AK <input type="checkbox"/> AL <input type="checkbox"/> AM <input type="checkbox"/> AN <input type="checkbox"/> AO <input type="checkbox"/> AP <input type="checkbox"/> AQ <input type="checkbox"/> AR <input type="checkbox"/> AS <input type="checkbox"/> 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Test Tube Reading						Instrument Background					
Step	Min	Max	Count	Min	Max	Min	Max	Count	Min	Max	Count
1	100	200	150	100	200	10	20	15	10	20	15
2	100	200	150	100	200	10	20	15	10	20	15
3	100	200	150	100	200	10	20	15	10	20	15
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9	100	200	150	100	200	10	20	15	10	20	15
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Luminescence TestTube

The **Luminescence TestTube** package includes the following:

TestTube, Excel® template on CD-ROM, Operating Manual, Certificate of Analysis, storage box.



Luminescence TestTube

Radiation source	Radio nuclide ^3H Tritium in organic substance, < 100 kBq, Activity below exemption limit for radioactive materials
Spectral light output	Maximum emission at 455 nm
Other substances	Scintillator, organic solvent
Housing material	double-walled, sealed glass
Dimensions (diameter x height)	11.6 mm x 75.0 mm

Accessories

Storage box material (diameter x height)	105 mm x 150 mm, Stainless steel, foil lined PVC
Excel® template	Consists of 2 spreadsheets for documentation of reference values and routine checks, on CD-ROM
Operating manual	Including instructions on how to establish your own QC procedure

Berthold Detection Systems GmbH
 Bleichstrasse 56-68
 D-75173 Pforzheim/Germany
 Phone +49-(0)7231/9206-0
 FAX +49-(0)7231/9206-50
 E-Mail contact@berthold-ds.com
 Internet www.berthold-ds.com

