

**LATERAL FLOW TESTS –  
A PRACTICAL WORKSHOP ON  
ADVANCES IN QUANTIFICATION  
AND MANUFACTURING  
TECHNIQUES**

**Co-Sponsored by:**

**G&L Precision Die Cutting, Pall Life Sciences  
and Biodot Ltd.**

May 18 - 20, 2009

The Bilberg Garden Hotel

Amsterdam

**DAY ONE:****Monday, 18<sup>th</sup> May, 2009**

3:00 – 4:45	Registration at Workshop Desk  Practical rooms are available for informal demonstration of equipment
4:45 – 5:30	<b>Workshop Welcome</b> John Witton, Sales Director, Biodot Ltd
5:30 – 6:15	<b>How a small Diagnostics Company is Meeting the Future</b> Dr Paul Meakin, Forsite Diagnostics Ltd
6:30	Canal Boat Dinner

**DAY TWO:****Tuesday, 19<sup>th</sup> May, 2009**

## Session 1 – Materials Selection for Lateral Flow Tests

Chair: John Witton

8:30 – 9:15	<b>Requirements to produce a Lateral Flow Test</b> Dr Andrew Sweet, Biodot Ltd
9:15 – 10:00	<b>Diagnostic Platform – backing cards and cover tapes</b> Anthony Leembruggen, International Business Manager, G&L Precision Die Cutting
10:00 – 10:30	<b>Minimising Assay Variability through Quality Substrates, Nitrocellulose, Conjugate and Sample Pad selection Process</b> Debbie Sanders, Pall Life Sciences.
10:30 – 11:00	<b>Practical 1: Materials Lamination</b> <ol style="list-style-type: none"><li>1. Adhesives: Pall Life Sciences</li><li>2. Lamination: Biodot Ltd</li></ol>
	Coffee Break

## Session 2 – Reagents Selection for Lateral Flow Tests

Chair: John Witton

11:00 – 11:45	<b>Application of Microparticles in In-vitro Diagnostics</b> Dr Hugues de Cremiers, Merck-Estapor
11:45 – 12:15	<b>Gold and Latex Conjugation</b> Dr Brendan O'Farrell, Diagnostic Consulting Network
12:15 – 1:00	<b>Electrochemical Immunoassays</b> Mateusz Szymanski, National Physics Laboratory
1:00 – 1:45	<b>LUNCH</b>
13.45 – 14.30	<b>Sample Preparation</b> Chris Evans, Biodot Ltd
14.30 – 15.00	<b>Dispensing Tools for Lateral Flow Research &amp; Development</b> Chris Evans, Biodot Ltd

15.00 – 15.30	<b>Practical 2: Dispensing</b> 3. XYZ3050 : Chris Evans, Biodot Ltd
	Coffee Break

Session 3 – Singulation  
Chair: John Witton

15.30 – 16.00	<b>Equipment for the Singulation and Assembly of Rapid Tests</b> John Witton, Biodot Ltd
16.00 – 16.30	<b>Practical 3:</b> 4. Guillotine Cutting 5. Sheet Slitting 6. Rotary Card Cutting 7. Bench Top Assembly

**DAY THREE:****Wednesday, 20<sup>th</sup> May, 2009**

Session 4 – Materials and Methods for Lateral Flow Test Manufacturing  
 Chair: Andrew Sweet

8:00 – 9:00	Breakfast, Hotel Checkout
9:00 – 9:45	<b>Methods for Improving Point of Care Testing</b> Neelam Kumarswami, National Physics Laboratory
9:45 – 10:30	<b>Equipment for the Assembly and Singulation of Rapid Tests</b> Improving Process Capabilities through In Line Manufacturing and Vision Capabilities John Witton, Biodot Ltd
	Coffee Break
10:45 – 11:30	<b>Practical 4: Processing Rapid Tests</b>  9. In Line Lateral Flow with an LM6000
11:30 – 12:15	<b>Quantification of Lateral Flow Assays</b> Dr Brendan O’Farrell, Diagnostic Consulting Network
12:30 – 13:30	<b>LUNCH</b>

Session 5 – Quantification of Lateral Flow Tests  
 Chair: John Witton

13.45 – 14.30	<b>Development, Validation and Application of Quantitative Tests</b> Dr Brendan O’Farrell, Diagnostic Consulting Network
14.30 – 15.15	<b>Quantitative Readers of Immunoassays</b> Klaus Haberstroh, ESE
	Coffee Break
15.15 – 15.45	<b>Practical 5:</b> 8. Readers
15.45	<b>CLOSE AND PRESENTATION OF CERTIFICATES</b> John Witton, Biodot Ltd