
Roche Applied Science Solutions H3 Africa Meeting

8.10.2012

Jonathan Keytel



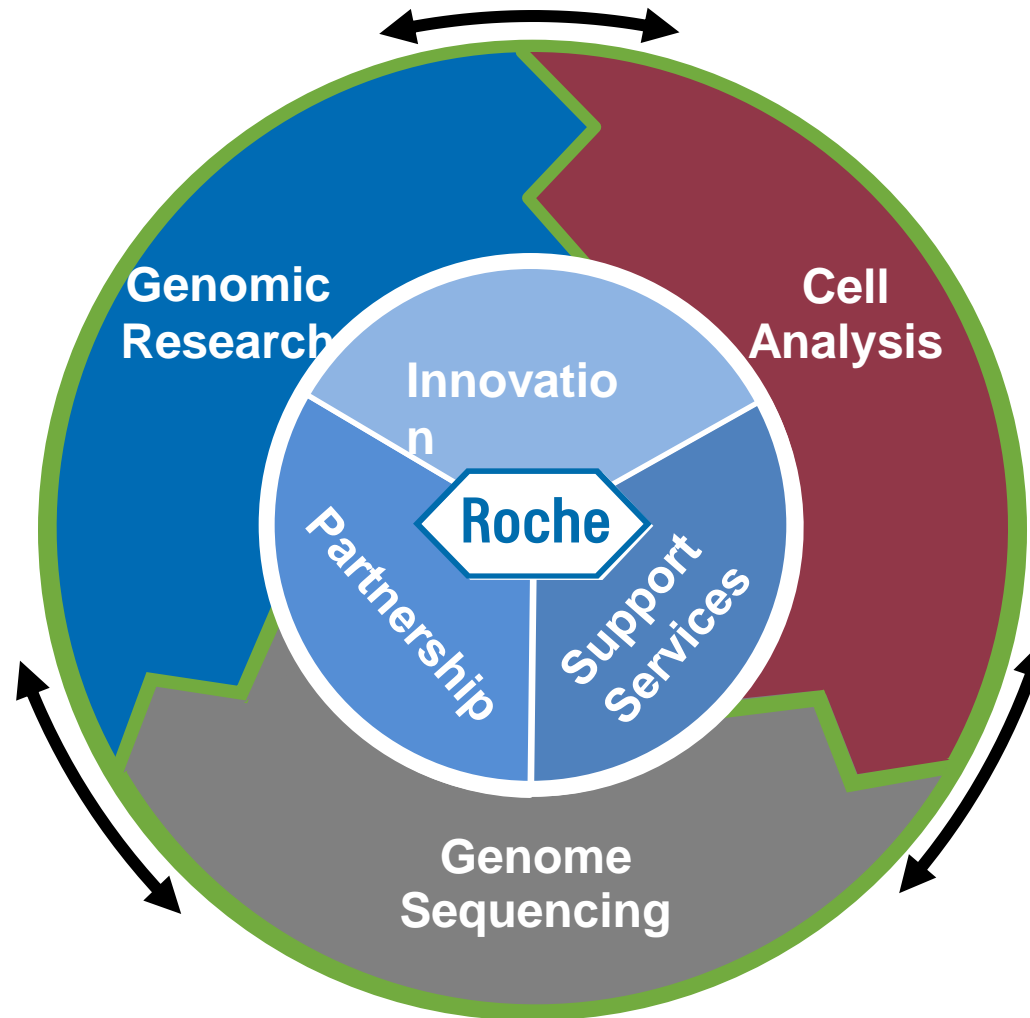
Overview



<i>in vitro</i> Diagnostics				Life Science
Professional Diagnostics Business Area	Molecular Diagnostics Business Area	Tissue Diagnostics Business Area	Diabetes Care Business Unit	Applied Science Business Area
<ul style="list-style-type: none"> • <i>Serum work area/ immunoassays and clinical chemistry</i> • <i>Point-of-care testing</i> • <i>Coagulation and specialty testing</i> • <i>Workflow management</i> 	<ul style="list-style-type: none"> • <i>Virology</i> • <i>Blood screening</i> • <i>Genomics/oncology</i> • <i>Microbiology</i> • <i>Women's health</i> 	<ul style="list-style-type: none"> • <i>Primary staining</i> • <i>Advanced staining</i> • <i>Workflow management</i> • <i>Digital pathology</i> 	<ul style="list-style-type: none"> • <i>Blood glucose monitoring</i> • <i>Insulin delivery</i> • <i>Diabetes management systems</i> 	<ul style="list-style-type: none"> • <i>Nucleic acid DNA purification and gene expression</i> • <i>Sequencing solutions</i> • <i>Custom Biotech and bioreagents</i>

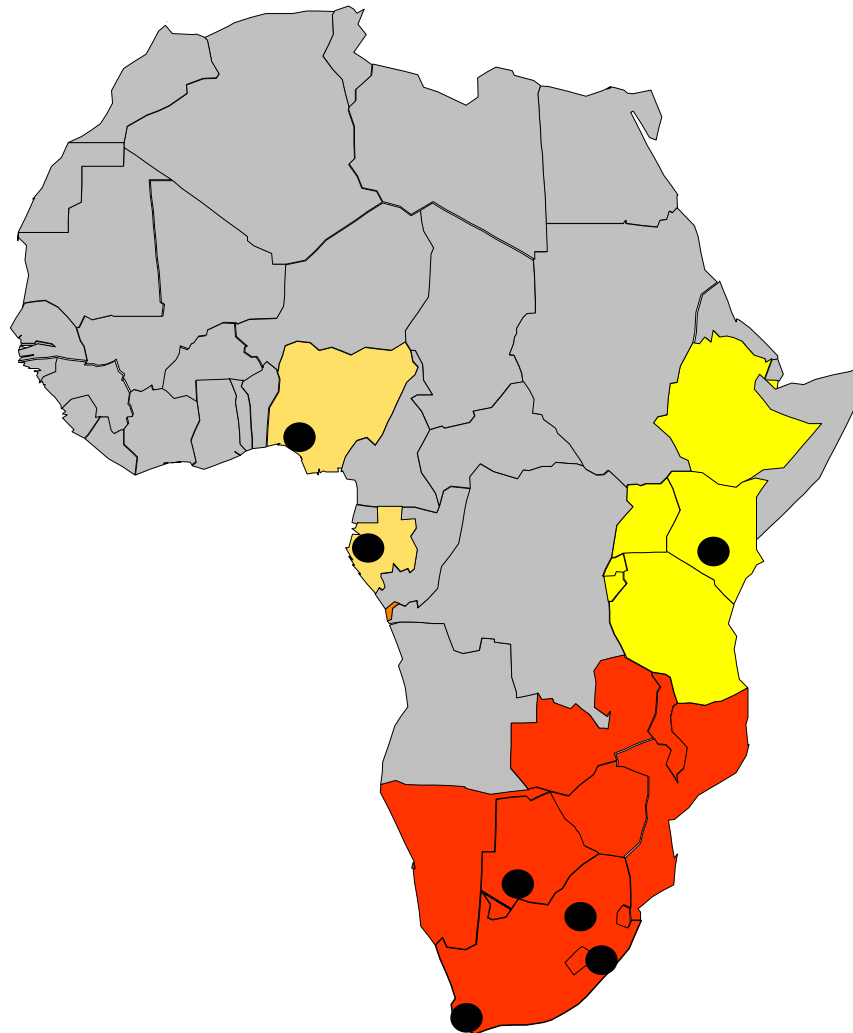
Roche Applied Science

Solutions for scientific research across three areas



Supporting Africa from Africa

Roche Support on the continent



Committed to Sustainable Development in Africa



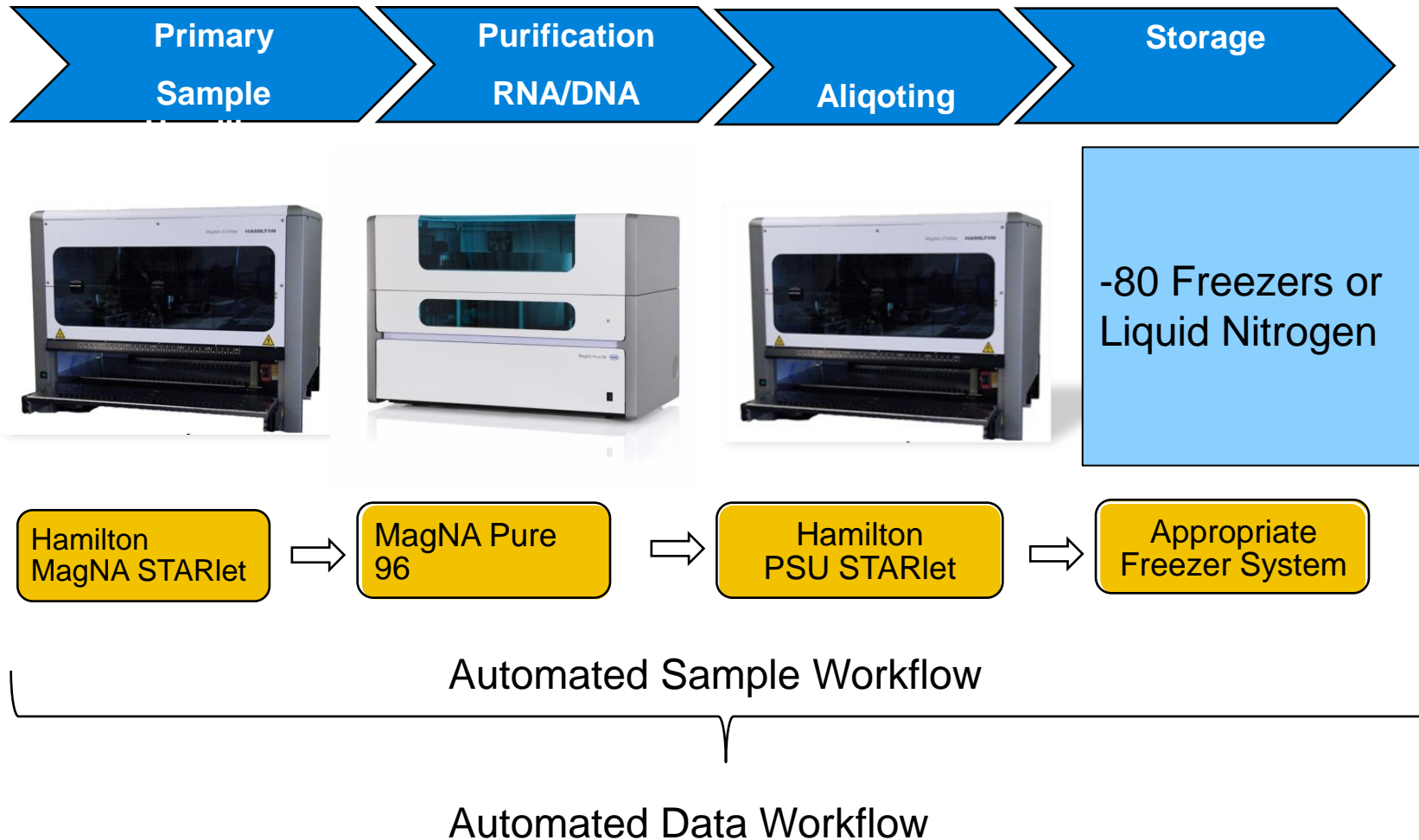
**Roche
Scientific
Campus**



Empowering Through Knowledge

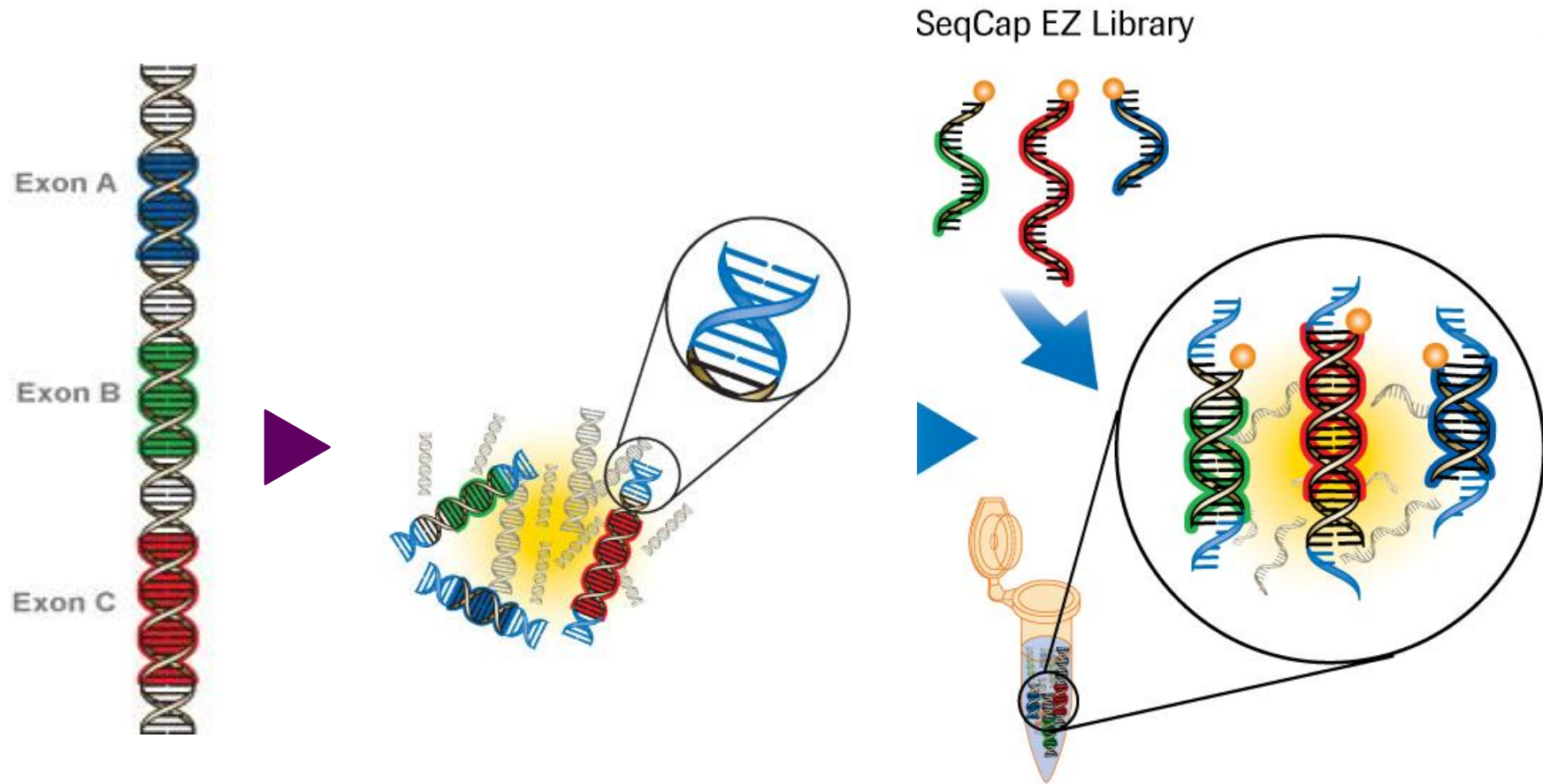
SPECIFIC SOLUTIONS

Sample Handling and NA Extraction Solution



Targeted Re-Sequencing with Sequence Capture

Get only your relevant parts from any genome



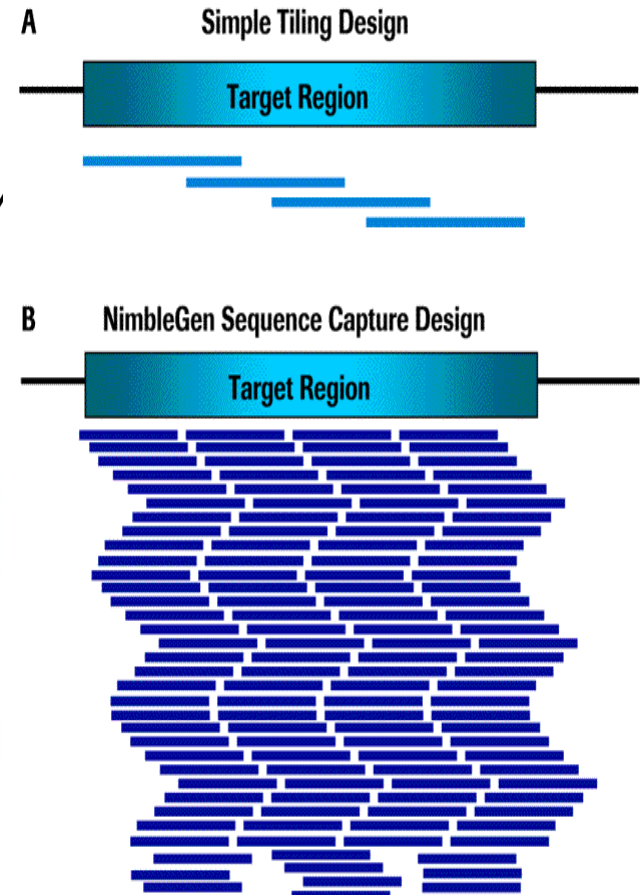
NimbleGen SeqCap EZ Libraries

Capture any target from <100Kb to 100Mb and beyond

- **2.1 Million** Long DNA (robust) oligos
 - *Highest number for high coverage, great uniformity*

- **Easy, Solution based, error-proof**
 - *qPCR controls, multiplex capable (pre or pc*

- **Best performing capture**
 - *Discovers more mutations than competitors*



More probes – better coverage

SeqCap EZ Discovery Research Products

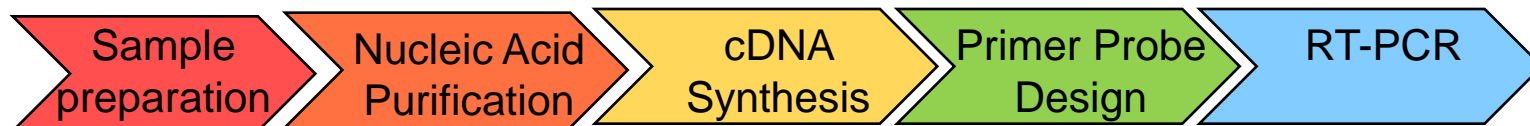
Comprehensive Exome and UTR designs

Products	Design Size
SeqCap EZ Exome v2.0	44Mb
SeqCap EZ Exome v3.0	64Mb
SeqCap EZ Exome +UTR	96Mb
SeqCap EZ Exome Plus	Up to 114Mb
SeqCap EZ UTR only	50Mb



Integrated Genomic Research Solutions

Working with RNA



Working with DNA



Cloning and protein expression



Sequencing

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