



# X-GENOME

## PIONEERING BIOTECHNOLOGY AND GENETIC INNOVATION

### PROFILE

## صنع في السعودية



[www.x-genome.com](http://www.x-genome.com)



KAUST-KSA

# X-Genome



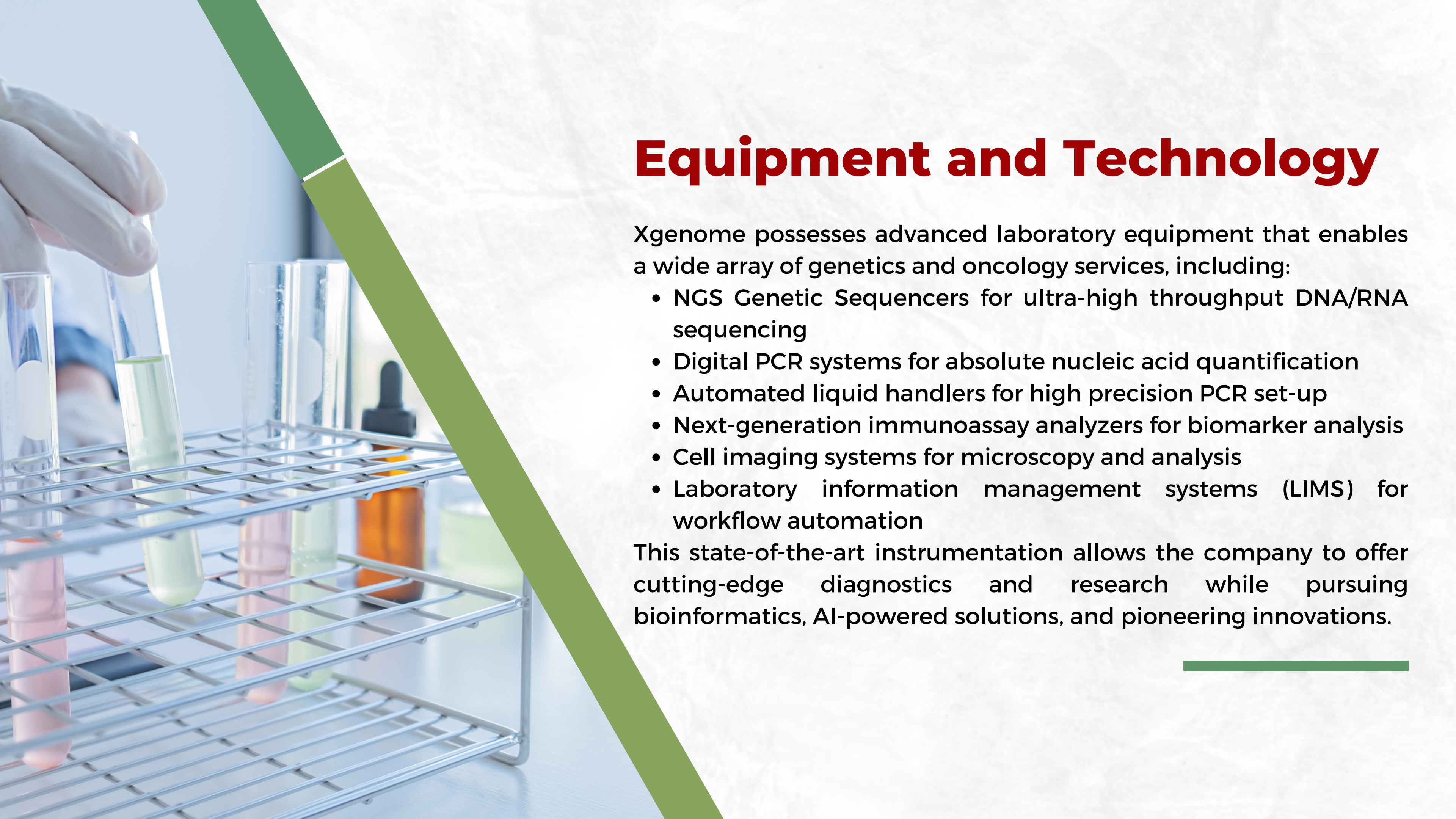
# OUR COMPANY

Xgenome is an award-winning biotechnology company specializing in genetic and oncology diagnostics, research, and innovation. With state-of-the-art laboratory infrastructure featuring cutting-edge technology, Xgenome provides a range of critical services:

- Cancer and genetic mutation testing and diagnosis using the latest technologies
- Bioinformatics for national genome identification
- DNA sequencing for genetic diseases using AI and automation
- Distinguishing training programs and workshops to build practical molecular biology and biotech skills
- Research capabilities and support for medical and scientific experiments and production
- Incubation, entrepreneurship, and innovation ecosystem including co-working areas.

The company has won three local and international awards recognizing its groundbreaking work in biotechnology innovation.





# Equipment and Technology

Xgenome possesses advanced laboratory equipment that enables a wide array of genetics and oncology services, including:

- NGS Genetic Sequencers for ultra-high throughput DNA/RNA sequencing
- Digital PCR systems for absolute nucleic acid quantification
- Automated liquid handlers for high precision PCR set-up
- Next-generation immunoassay analyzers for biomarker analysis
- Cell imaging systems for microscopy and analysis
- Laboratory information management systems (LIMS) for workflow automation

This state-of-the-art instrumentation allows the company to offer cutting-edge diagnostics and research while pursuing bioinformatics, AI-powered solutions, and pioneering innovations.

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# Services and Solutions



## Genetics Services

Genetic testing and profiling for biomarkers of cancer, hereditary conditions, and pharmacogenomics

## Applicable Research

Automation solutions enhancing clinical diagnostics, research workflows, and overall efficiency

## Bioinformatics

Bioinformatics for next-gen sequencing, genetic mapping, population genetics, and precision health

## Research and Developments

R&D capabilities from study design to experimentation and product development

## Innovations

Incubation, IP development, and commercializing biomedical discoveries and innovations

## Patents Registration Services

Patent registration services offer legal assistance and patent searches to help individuals and companies acquire and renew patents, safeguarding their intellectual property and preventing infringement.

**Positioned at the leading edge of biotechnology advancement, Xgenome delivers high-value solutions fulfilling critical needs while accelerating scientific progress.**

# Partners and Recognition

Xgenome partners with premier institutions to drive innovation and adoption of its pioneering solutions, including:

- KAUST Research & Technology Park – R&D infrastructure access and support
- NEOM, KAUST, Monsha'at – Diagnostics, training, and incubation services
- SCFHS – Center of excellence for training and accreditation
- SFDA – Licensed for importing and distributing medical devices/reagents



# Accolades



The company has received distinguished industry accolades:

- Diagnostic laboratory licensed by Saudi MOH
- Excellency center certified by SCFHS
- Innovation awards from UAE Genetic Diseases Association and others



# Growth and Traction

Having already built state-of-the-art facilities achieving key regulatory and partner milestones, Xgenome is poised for rapid growth and regional impact:

- First licensed private sector center for genetics/oncology testing in Saudi Arabia
- 20+ years founder expertise commercializing biomedical solutions
- Diverse leadership driving operational excellence and unified vision
- Helping build domestic diagnostics/research capabilities and capacity
- Rich pipeline of breakthrough innovations underway



# X-Genome

Xgenome is led by renowned biotech founder Dr. Burhan Fakhurji, an internationally recognized pioneer. By centralizing infrastructure, technologies, expertise, and critical services, Xgenome leads biotechnology progress - delivering better patient outcomes through research, innovation, and adoption of advanced solutions.



# INVESTMENT RETURN



# INVESTMENT RETURN

## 1- Diagnostic Kit Molecular Detection for Sexually Transmitted Diseases (STDs)

### Given:

**Investment Costs:** \$1,000,000 **Expected Sales Revenue:** \$1,600,000 **Total**

**Operating Costs:** \$600,000

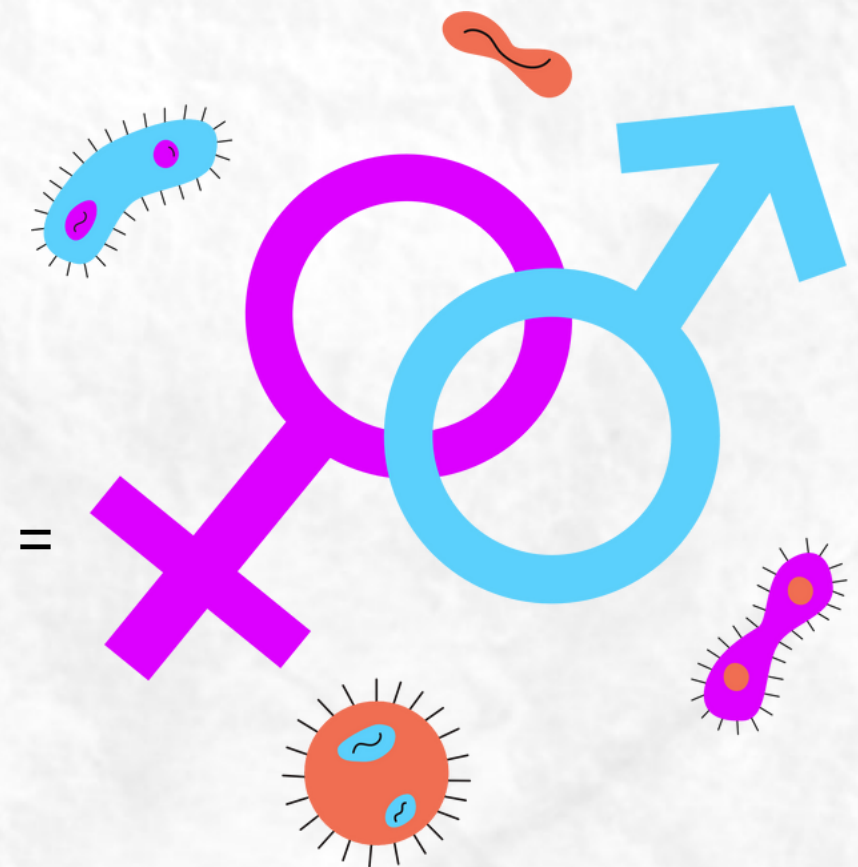
**Taxes and Interest:** \$250,000

### Calculation:

1. **Profit before taxes and interest** = Total Revenue - Total Operating Costs =  
 $\$1,600,000 - \$600,000 = \$1,000,000$
2. **Net Profit after taxes and interest** = Profit before taxes - Taxes & Interest
3. =  $\$1,000,000 - \$250,000 = \$750,000$
4. **Investment Return** = Net Profit / Investment Costs =  $\$750,000 / \$1,000,000 =$   
**75%**

**Therefore, the estimated investment return for the Diagnostic Kit Molecular Detection for STDs project is 75%.**

In other words, for every \$1 invested, the project is expected to return \$0.75 in profit after accounting for costs, taxes and interest. This seems like a financially attractive investment opportunity with a high rate of return.



# INVESTMENT RETURN

## 2- Next Generation Liposomal-Exosome: Endorsing Immune System & Bone Metabolism, skin care and Hair Care

### Given:

**Investment Costs:** \$300,000

**Expected Sales Revenue:** \$700,000

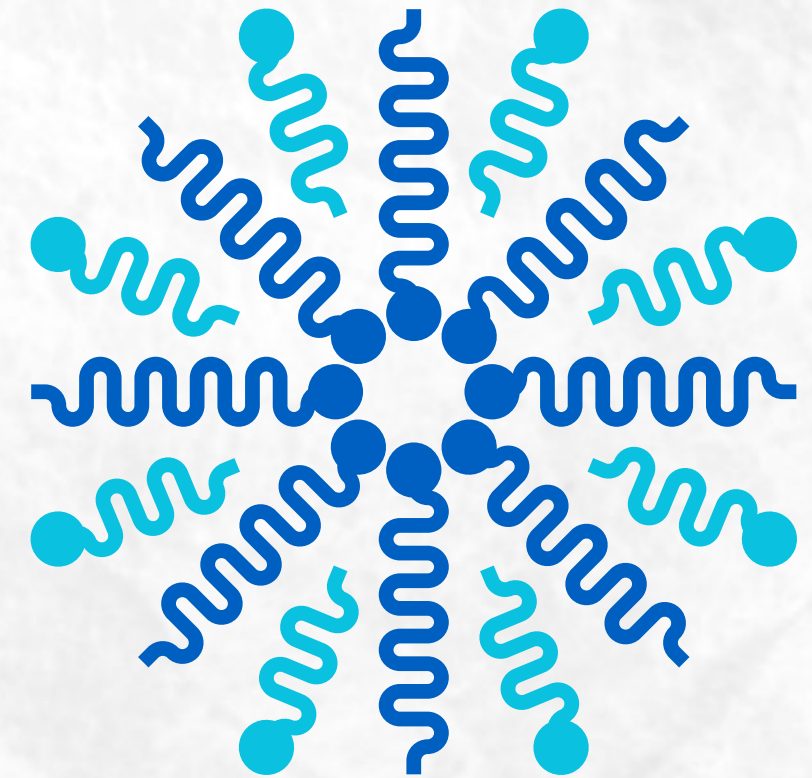
**Total Operating Costs:** \$300,000

**Taxes and Interest:** \$50,000

### Calculation:

1. **Profit before taxes and interest** = Total Revenue - Total Operating Costs =  
 $\$700,000 - \$300,000 = \$400,000$
2. **Net Profit after taxes and interest** = Profit before taxes - Taxes & Interest =  
 $\$400,000 - \$50,000 = \$350,000$
3. **Investment Return** = Net Profit / Investment Costs =  $\$350,000 / \$300,000 = 117\%$

**Therefore, the estimated investment return for the Next Generation Liposomal-Exosome project is 117%.**

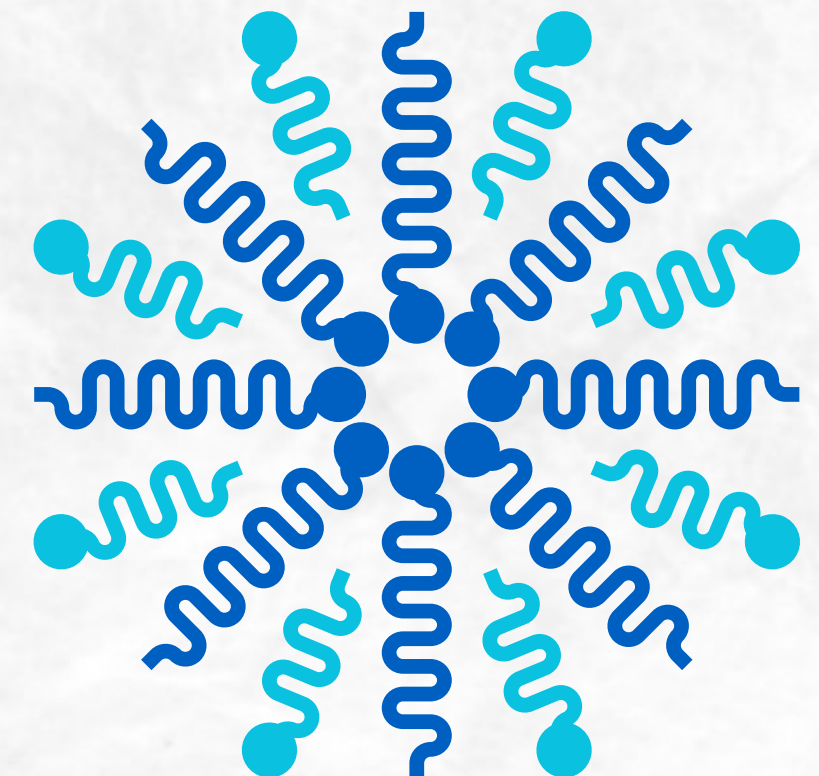


# INVESTMENT RETURN

## 2- Next Generation Liposomal-Exosome: Endorsing Immune System & Bone Metabolism, skin care and Hair Care

In other words, **for every \$1 invested, the project is expected to return \$1.17** in profit after accounting for costs, taxes and interest. This is an extremely attractive investment opportunity with potential for very high returns.

The large profit margins point to this product having strong market demand and healthy commercial viability. I would recommend moving forward with this project based on the financial projections.



# INVESTMENT RETURN

## 3- Diagnostic Kit Molecular Detection for Cervical Cancer

### Given:

**Investment Costs:** \$300,000

**Expected Sales Revenue:** \$700,000

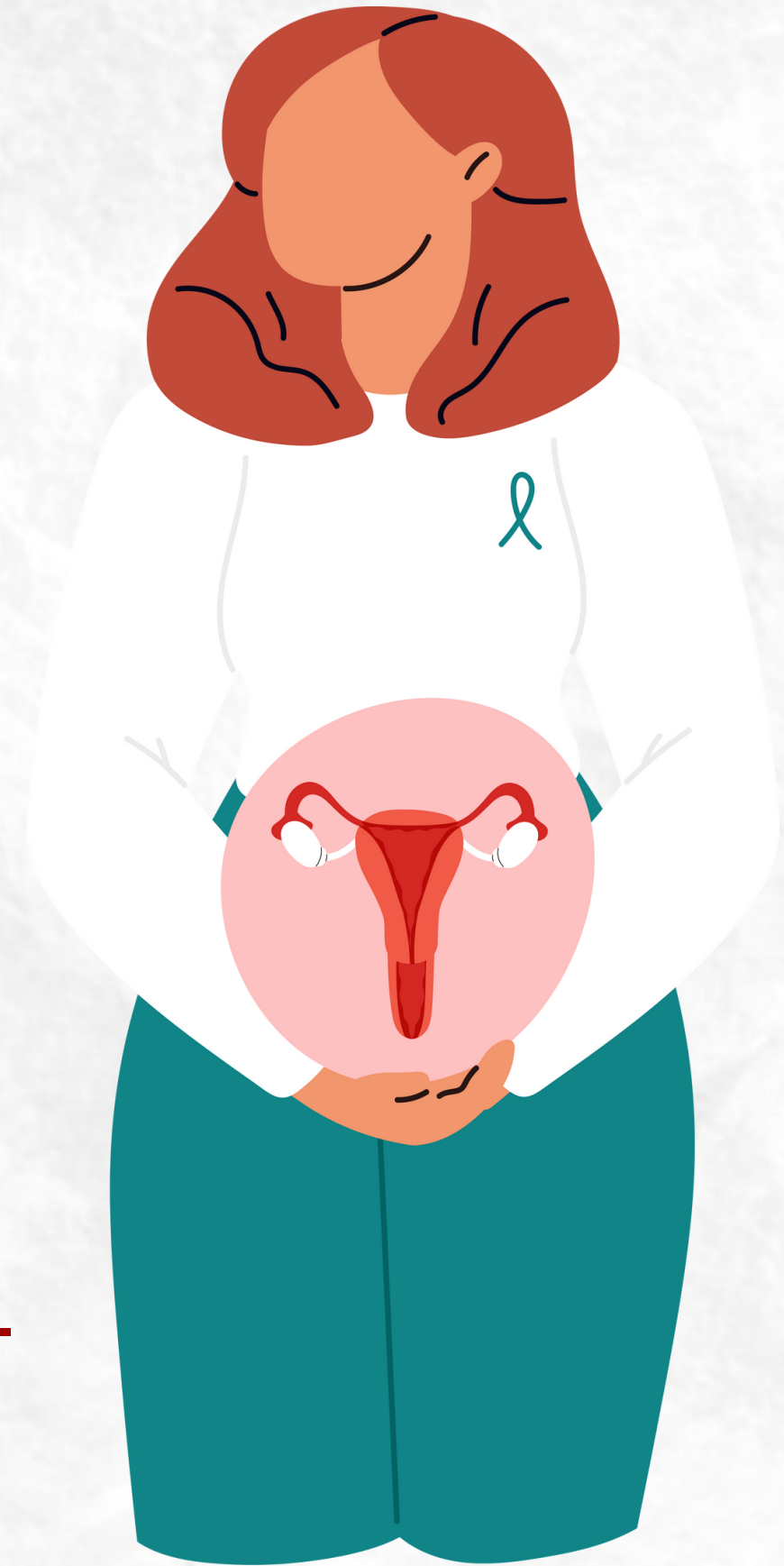
**Total Operating Costs:** \$300,000

**Taxes and Interest:** \$50,000

### Calculation:

1. **Profit before taxes and interest** = Total Revenue - Total Operating Costs =  
 $\$700,000 - \$300,000 = \$400,000$
2. **Net Profit after taxes and interest** = Profit before taxes - Taxes & Interest =  
 $\$400,000 - \$50,000 = \$350,000$
3. **Investment Return** = Net Profit / Investment Costs =  $\$350,000 / \$300,000 = 117\%$

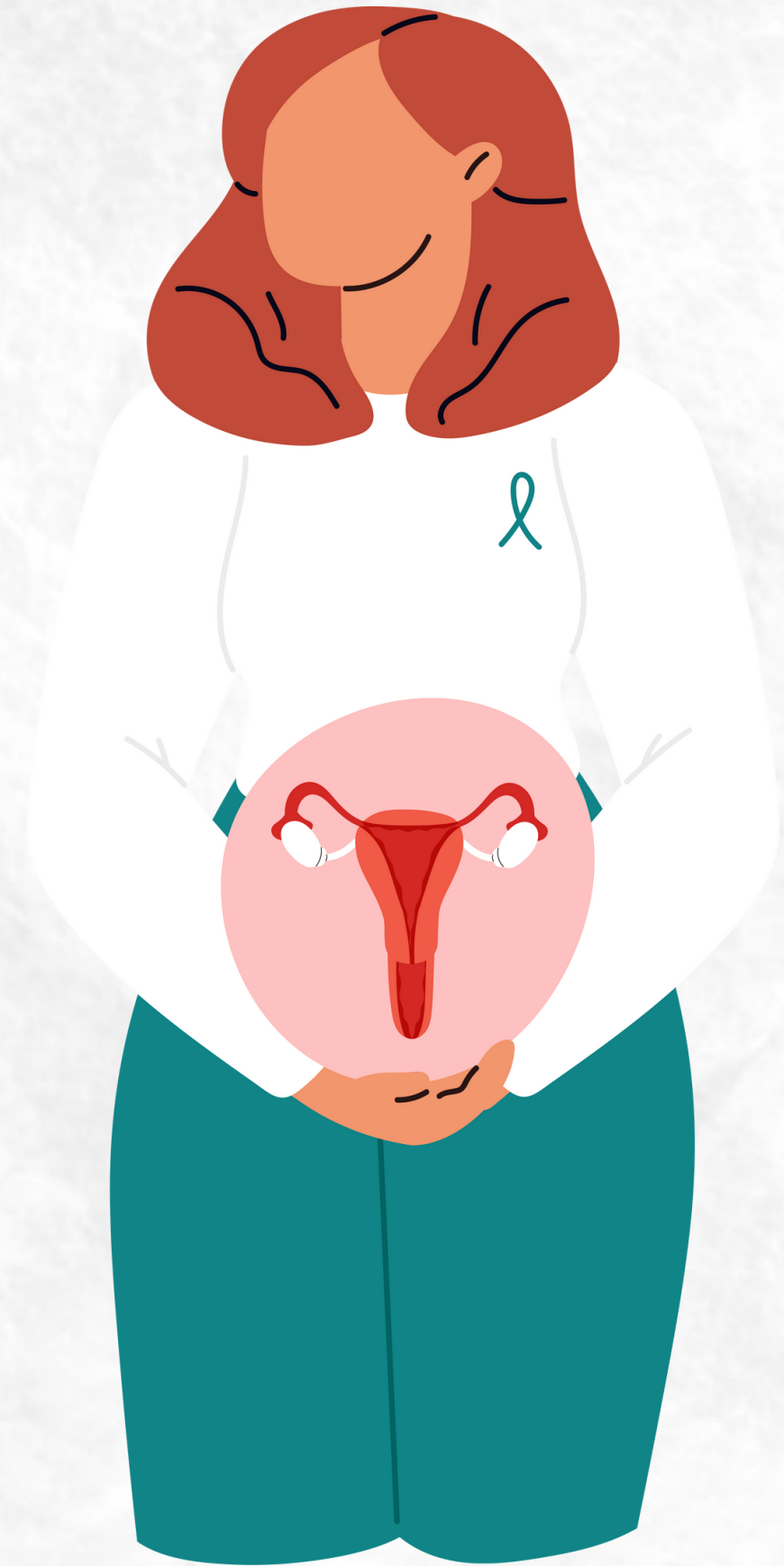
**Therefore, the estimated investment return for the Next Generation Liposomal-Exosome project is 117%.**



# INVESTMENT RETURN

## 3- Diagnostic Kit Molecular Detection for Cervical Cancer

In other words, **for every \$1 invested, the project is expected to return \$1.17** in profit after accounting for costs, taxes and interest. This is an extremely attractive investment opportunity with potential for very high returns. The large profit margins point to this product having strong market demand and healthy commercial viability. I would recommend moving forward with this project based on the financial projections.



# INVESTMENT RETURN

## 4—Advance Collagen for Cosmetics and Aesthetic products (Like Nithya Company in Euro)

### Given:

**Investment Costs:** \$1,000,000

**Expected Sales Revenue:** \$1,700,000

**Total Operating Costs:** \$500,000 Taxes and Interest: \$100,000

### Calculation:

1. **Profit before taxes and interest** = Total Revenue - Total Operating Costs =  
 $\$1,700,000 - \$500,000 = \$1,200,000$

2. **Net Profit after taxes and interest** = Profit before taxes - Taxes & Interest =  
 $\$1,200,000 - \$100,000 = \$1,100,000$

3. **Investment Return** = Net Profit / Investment Costs =  $\$1,100,000 / \$1,000,000 = \mathbf{110\%}$

Therefore, the estimated investment return for the Advanced Collagen product is **110%**.



# INVESTMENT RETURN

## 4—Advance Collagen for Cosmetics and Aesthetic products (Like Nithya Company in Euro)

In other words, **for every \$1 invested, the project is expected to return \$1.10** in profit after accounting for costs, taxes and interest. This is a very strong return on investment.

Given the sizeable profit margins, existing market demand, and relatively low operating costs, this product presents a compelling investment opportunity with the potential for excellent returns. I would recommend pursuing this project further based on these financials.

