

Unit 2 - Homework 2a
Biology of Fertility Control

1. Which fertility treatment would be appropriate for a woman with blocked uterine tubes?
 - A Provision of fertility drugs
 - B *In vitro* fertilisation
 - C Artificial insemination
 - D Calculation of fertile period

The examination of a karyotype would **not** detect

- A phenylketonuria
- B Down's syndrome
- C the sex of the fetus
- D evidence of non-disjunction.

<i>Semen sample</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
Number of sperm in sample (millions/cm ³)	40	19	25	45	90
Active sperm (percent)	65	60	75	10	70
Abnormal sperm (percent)	30	20	90	30	10

A man is fertile if his semen contains at least 20 million sperm cells/cm³ and at least 60% of the sperm cells are active and at least 60% of the sperm cells are normal.

The semen samples that were taken from infertile men are

- A samples 3 and 4 only
- B samples 2 and 4 only
- C samples 2, 3 and 4 only
- D samples 1, 2, 4 and 5 only.